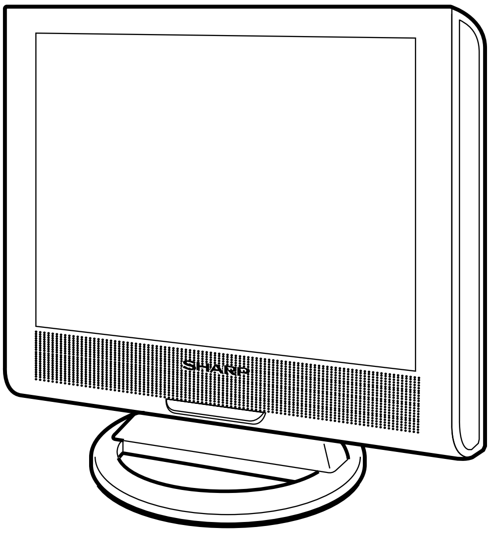
SHARP SERVICE MANUAL

S60B6LC-15A2U



LCD COLOR TELEVISION

MODEL LC-15A2U

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

This document has been published to be used for
after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE SAFETY PRECAUTION

■ Service work should be perfomed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

CAUTION

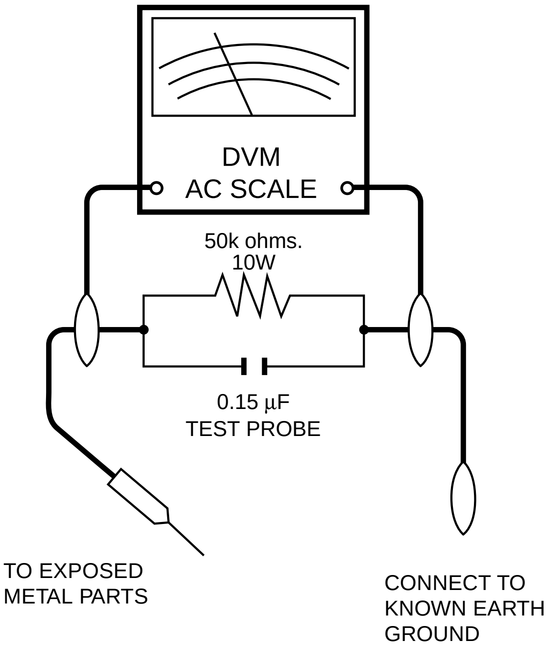
FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.
F3701 (1.6A, 125V), F3702 (1.6A, 125V), F3751 (2.5A, 125V) FUSE.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resisor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 0.75V peak (this corresponds to 0.5 milliamp. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage and etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by “ ⚠” and shaded areas in the ***Replacement Parts Lists*** and ***Schematic Diagrams***.
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

- **Ne peut effectuer la réparation qu’ un technicien spécialisé qui s’est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

AVERTISSEMENT

1. N’entreprendre aucune modification de tout circuit. C’est dangereux.
2. Débrancher le récepteur avant toute réparation.

PRECAUTION

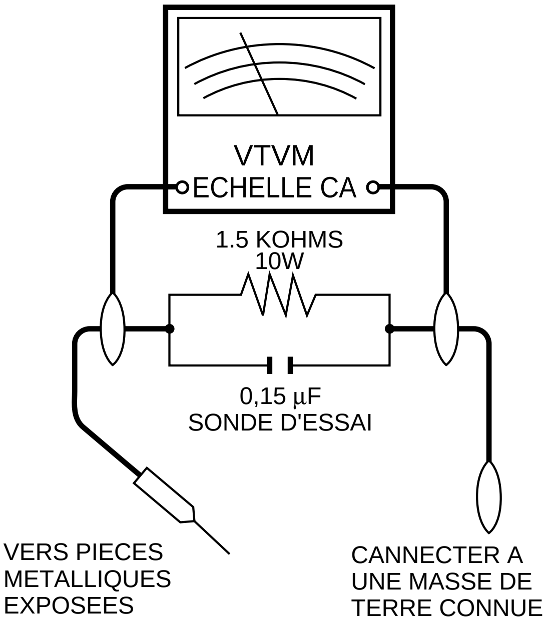
POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D’INCENDIE, REMPLACER LE FUSIBLE PAR UN FUSIBLE DE MEME TYPE F3701 (1,6A, 125V), F3702 (1,6A, 125V), F3751 (2,5A, 125V).

VERIFICATIONS CONTRE L’INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l’utilisateur, effectuer les vérifications suivantes.

1. Inspecter tous les faisceaux de câbles pour s’assurer que les fils ne soient pas pincés ou qu’un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S’assurer qu’il n’y ait pas de danger d’électrocution en vérifiant la fuite de courant, de la facon suivante:

- Brancher le cordon d’alimentation dans la prise CA de 110~240 V et le câble d’alimentation CC dans le jack du moniteur. (Ne pas utiliser un transformateur pour cet essai.)
- A l’aide de deux fils à pinces, brancher une résistance de 1,5kΩ 10 watts en paralléle avec un condensateur de 0,15µF en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d’une sensibilité d’au moins 5000Ω/V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d’essai les piéces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesure la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites aprés avoir inversé la fiche du cordon d’alimentation. (Si nécessaire, une prise d’adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.) Une valeur de 0,75 V RMS ou plus (correspond à 0,5 mA C.A.) est excessive et implique un danger de secousse électrique, qui devra être supprimé avant de retourner l'appareil à l'utilisateur.



SAFETY NOTICE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque “ ⚠ ” et hachurées dans ***la liste des pièces de remplacement et les diagrammes schématiques.***

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d’origine.

L’utilisation de pièces qui n’ont pas les mêmes caractéristiques que les pièces recommandées par l’usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

ELECTRICAL SPECIFICATIONS

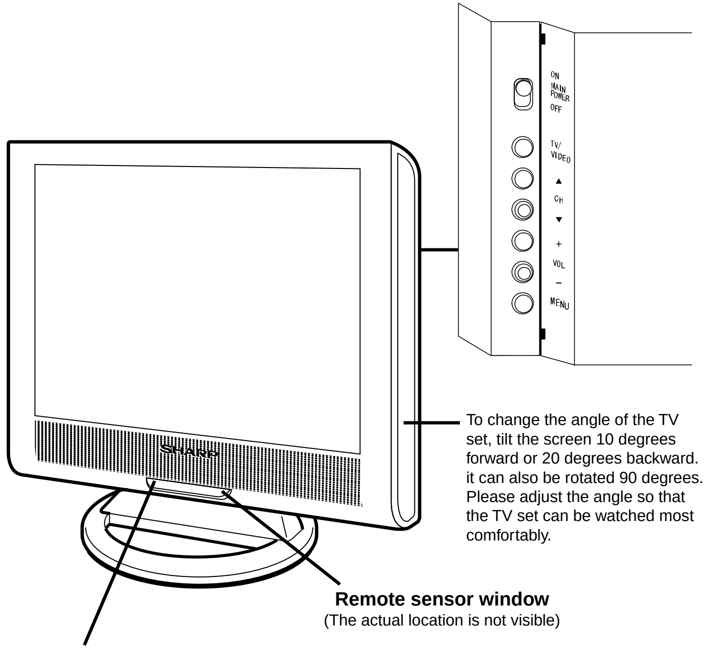
Power input	DC 12V (Receiver) AC 110-240V (AC Adapter)
Power consumption	27 W (Connected to DC 12V)
LCD panel size	15" TFT LCD
Number of pixels	921,600 pixels (VGA)
Video color systems	PAL/NTSC/SECAM
Audio amplifier	(Front) 0.6 W + 0.6 W (at 10% distortion) (Rear) 2.5 W
Speakers	
Size	(Front)1-$^{3}/_{16}$ × 1-$^{37}/_{64}$ in. (3 × 4 cm) (2 pcs) (Rear) ϕ65 mm (1 pcs)
Voice coil impedance	(Front) 32 ohm
Voice coil impedance	(Rear) 6 ohm
Antenna input impedance	75 ohm unbalanced
Tuning ranges	
VHF Channels	2 thru 13
UHF Channels	14 thru 69
CATV Channels	1 thru 125 (EIA, Channel Plan U.S.A)
Weight	8.2 lbs (3.7 kg), w/o accessories
Accessories	R/C, Batteries, Antenna cable, AC adapter, AC cord, Operation manual, Cable Clamp

Specifications are subject to change without prior notice.

OPERATION MANUAL

Main unit (front view)

Rear control panel

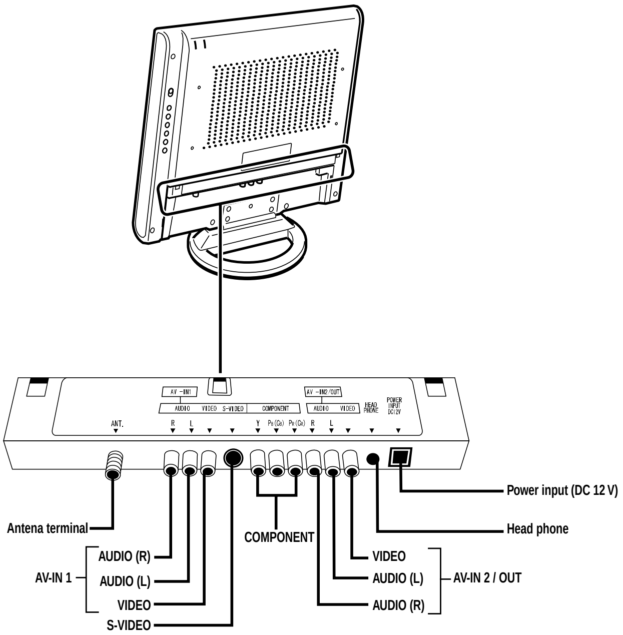

ON
MAIN POWER
OFF
TV/VIDEO
▲
CH
▼
+
VOL
–
MENU
SHARP

To change the angle of the TV set, tilt the screen 10 degrees forward or 20 degrees backward. it can also be rotated 90 degrees. Please adjust the angle so that the TV set can be watched most comfortably.

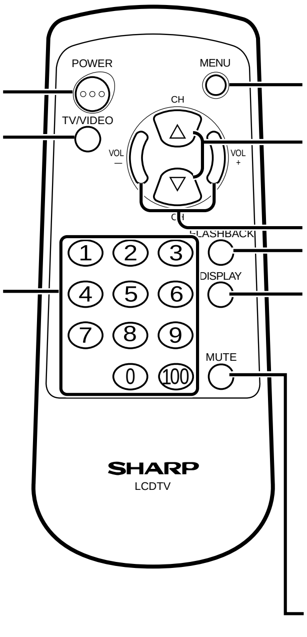
Remote sensor window
(The actual location is not visible)

Power/standby indicator
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off).

Main unit (rear view)


AV-IN1
AV-IN2/OUT
AUDIO
VIDEO
S-VIDEO
COMPONENT
AUDIO
VIDEO
HEAD PHONE
POWER INPUT DC12V
ANT.
R
L
Y
PB (CB)
PR (CR)
R
L
Power input (DC 12 V)
Head phone
Antena terminal
COMPONENT
AV-IN 1
AUDIO (R)
AUDIO (L)
VIDEO
S-VIDEO
VIDEO
AUDIO (L)
AUDIO (R)
AV-IN 2 / OUT

Remote control


POWER
MENU
CH
TV/VIDEO
VOL –
VOL +
CH
FLASHBACK
DISPLAY
MUTE
1
2
3
4
5
6
7
8
9
0
100
SHARP
LCDTV

POWER

TV/VIDEO

CHANNEL SELECT

MENU

CH (▲)/(▼)
▲Selects next higher channel
▼Selects next lower channel

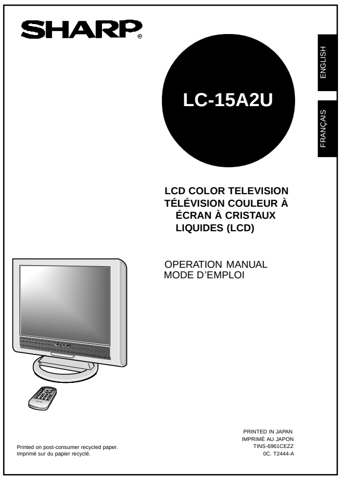
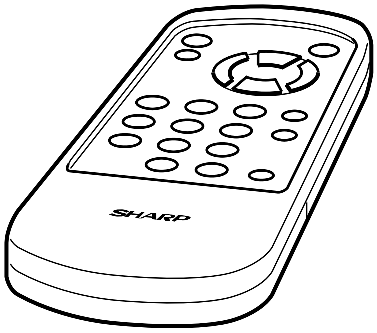
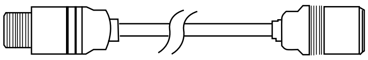
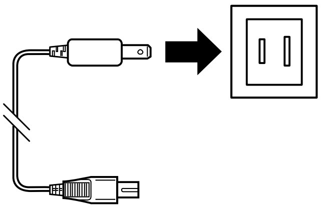
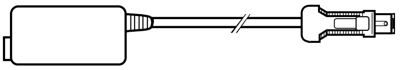
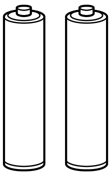
VOL (+)/(–)

FLASHBACK
Returns to previous channel

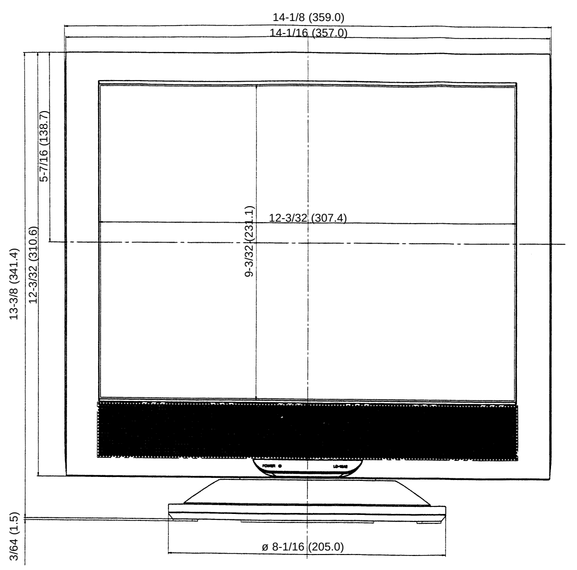
DISPLAY
Press....Displays receiving channel for 10 seconds. Channel indication reduces in size after about 10 seconds.
Press again....After the CH call is displayed in large size, COLOR SYSTEM except N358 and audio is displayed for 10 seconds, and then CH will be displayed in small size only.
↓
No display
↓
The above three displays can be switched.

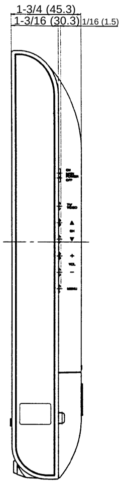
MUTE
Press....Stops sound.

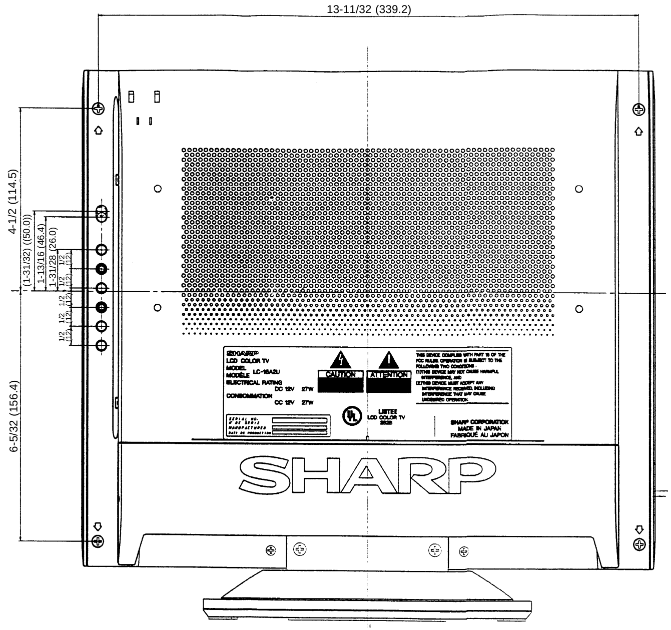
SUPPLIED ACCESSORIES

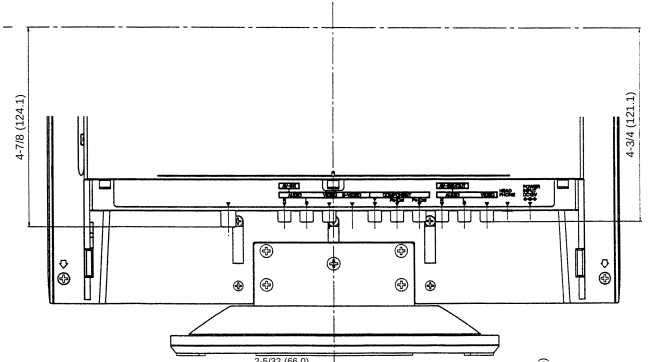
Operation Manual (×1)	Wireless Remote Control (×1)
 SHARP LC-15A2U ENGLISH FRANÇAIS LCD COLOR TELEVISION TÉLÉVISION COULEUR À ÉCRAN À CRISTAUX LIQUIDES (LCD) OPERATION MANUAL MODE D'EMPLOI Printed on post-consumer recycled paper. Imprimé sur du papier recyclé. PRINTED IN JAPAN IMPRIMÉ AU JAPON TINS-6961CEZZ 0C. T2444-A	
TINS-6961CEZZ	RRMCG1559CESA
Antenna Cable	**AC Cord**
	
QCNW-5730CEZZ	QACCD3088CEZZ
AC Adapter (×1)	**Size AAA Dry Battery (×2)**
	
UADP-0212CEZZ	UBATU0026GEZZ

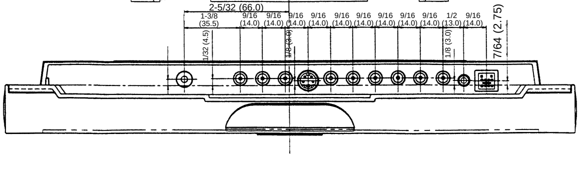
OUTLINE DIMENSION FIGURE


14-1/8 (359.0)
14-1/16 (357.0)
5-7/16 (138.7)
12-3/32 (310.6)
13-3/8 (341.4)
12-3/32 (307.4)
9-3/32 (231.1)
3/64 (1.5)
ø 8-1/16 (205.0)


1-3/4 (45.3)
1-3/16 (30.3)
1/16 (1.5)

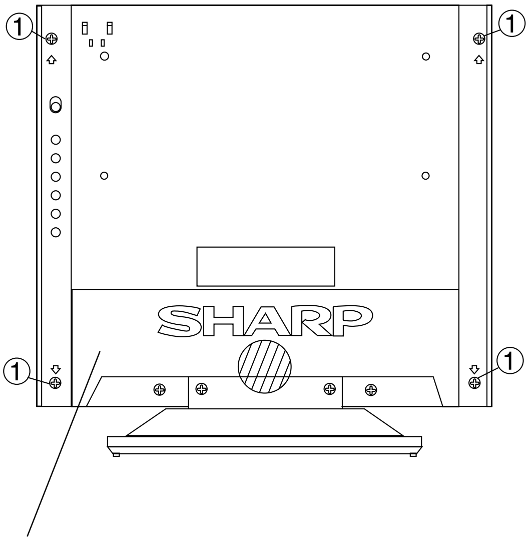

13-11/32 (339.2)
4-1/2 (114.5)
(1-31/32) ((50.0))
1-13/16 (46.4)
1-31/28 (26.0)
1/2 (12)
1/2 (12)
1/2 (12)
1/2 (12)
1/2 (12)
6-5/32 (156.4)
SHARP


4-7/8 (124.1)
4-3/4 (121.1)

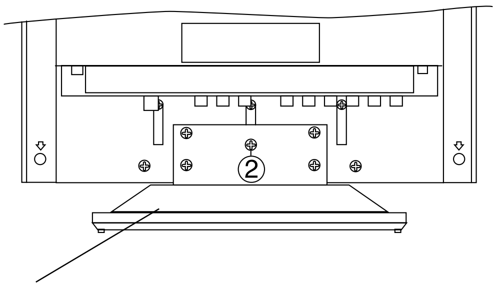

2-5/32 (66.0)
1-3/8 (35.5)
9/16 (14.0)
9/16 (14.0)
9/16 (14.0)
9/16 (14.0)
9/16 (14.0)
9/16 (14.0)
9/16 (14.0)
9/16 (14.0)
9/16 (14.0)
1/2 (13.0)
9/16 (14.0)
1/32 (4.5)
1/8 (3.0)
1/8 (3.0)
7/64 (2.75)

DISASSEMBLY OF THE SET

1. Insert your finger into the center of the terminal cover and pull it toward you to detach the terminal cover.
2. Remove the four screws ① and one screw ②.
3. Open the cabinet B by approx. 45˚ from the bottom of the cabinet (stand side).
4. Remove the lead wire from the cable clamp ③.
5. Remove the power connector ④.
6. Remove the connector ⑤ from the light reception unit.
7. Remove the lead wire from the cable clamp ⑥.
8. Remove the speaker connector ⑦.
9. Remove the FFC from the FFC connector ⑧ on the main PWB.
10. Remove the connector ⑨ from the switch PWB.
11. Remove the right and left speaker connectors ⑩ on the terminal PWB.



Terminal Cover GCOVA1858CEKA



Hinge Cover GCOVA1853CESA
Rotation Cover GCOVA1854CESA

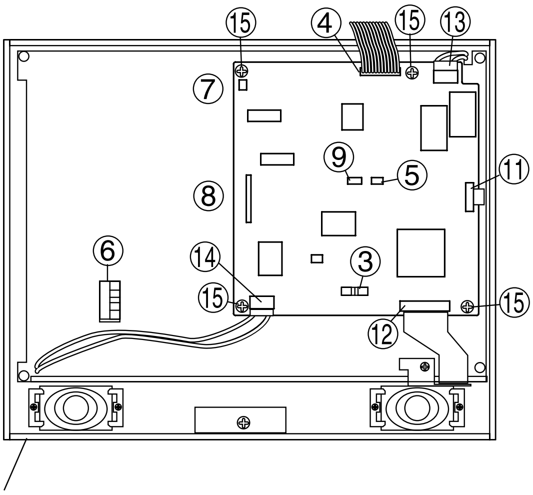
<<Disassembly of the main PWB>>

1. Disconnect the flexible cable connectors ⑪ and ⑫ from the LCD panel.
2. Disconnect the cable connectors ⑬ and ⑭ from the fluorescent lamp.
3. Remove the four screws ⑮.

<<Disassembly of the terminal PWB>>

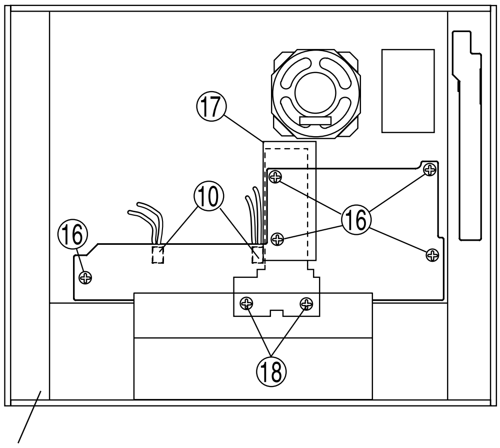
1. Remove the cover ⑰.
2. Remove the five screws ⑯.
3. Remove the two screws ⑱. Take them out of the cabinet holes.

<<Cabinet A side>>



Cabinet A CCABA2402CE02

<<Cabinet B side>>



Cabinet B CCABB2288CE01

ADJUSTING PROCEDURE OF EACH SECTION

The best adjustment is made before shipping. If any position deviation is found or after part replace is performed, adjust as follows.

1. Preparation for Adjustments

(1) Use the exclusive-use AC adapter or stable DC power supply.
AC adapter: UADP-0212CEZZ
DC power supply: 12 ± 0.5V

2. Special mode setting procedure

(1) After initialization of E^2PROM the mode is changed to the adjustment mode.

[Procedure]

Connect TP2001 and TP2002 to GND, and turn on the power.

[Description]

- The initialization of microcomputer is as follows.
- AV position, DAC data, G/A data, sound processor data, and video chroma data adjustment values are taken as defaults.

(2) Adjustment mode

[Procedure]

Short-circuit TP2001 to GND, and turn on the power.
Or short-circuit TP2002 to GND, and turn on the power.
Or holding down the [TV/VIDEO] key and [MENU] key, turn on the main power, and simultaneously press the (inspection process) [CH ▼] key and [VOL–] key to change the mode to the adjustment mode.

[Description]

The manual adjustment or adjustment through communication with the automatic machine is performed.

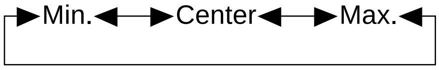
(3) Inspection mode

[Procedure]

Holding down the [TV/VIDEO] key and [MENU] key, turn on the power.

[Description]

- In the ordinary menu select “VIDEO ADJUST” with the [CH] key, and decide with the [VOL] key. Then select “PICTURE”, “TINT (only NTSC)”, “COLOR”, “BLACK LEVEL”, “SHARPNESS”, “RED-BLUE”, “GREEN” and “COLOR SYSTEM” with the [CH] key, and decide with the [VOL] key. After that, adjust values with the [VOL] key.
- VOLUME, PICTURE, TINT (only NTSC), COLOR, BLACK LEVEL, SHARPNESS, RED-BLUE, GREEN change as follows.



(4) Shipping setting mode

[Procedure]

Holding down the [TV/VIDEO] key and [MENU] key, turn on the main power, and simultaneously press the (inspection process) [CH ▲] key and [VOL+] key to change the mode to the adjustment mode.

[Description]

User adjustment and other values are taken as defaults.
If TV is indicated as SETTING COMPLETE, setting has been completed.

3. Cancel of special mode

Turn off the main unit power.

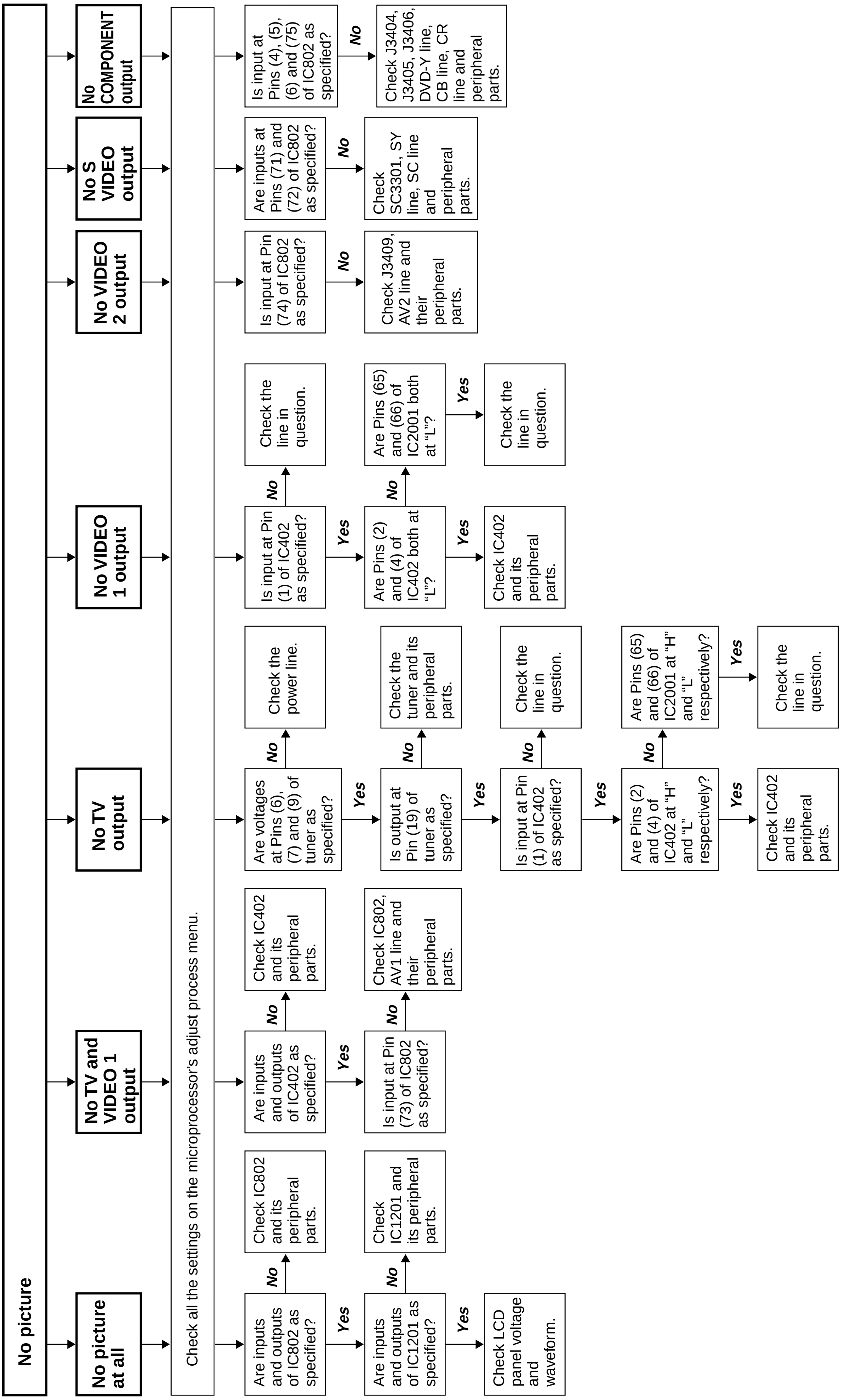
4. Adjustments

	Adjustment	Adjusting conditions	Adjusting method
1	B+ Adjustment (If E^2PROM is replaced) (IC2004)	1. Connect the DC voltmeter to pin 49 of SC401. 2. Go to the adjustment mode.	1. Adjust the "B+ Adj" value to 5.0V±0.02V with [VOL+] or [VOL-] Key. * The color of "B+ Adj" must be yellow.
2	Model setup (If E^2PROM is replaced) (IC2004)	1. Go to the adjustment mode.	1. Select "MODEL" with [MENU] key and adjust to "A2U" with [VOL+] or [VOL-] key. * The color of "MODEL" must be yellow.
3	Counter-bias adjustment	1. Receive a B/W channel. 2. Go to the adjustment mode. 3. Select the "COM BIAS" with [MENU] key.	1. Adjust "COM BIAS" to the darkest screen with [VOL+] and [VOL-] key. * The color of "COM BIAS" must be yellow.

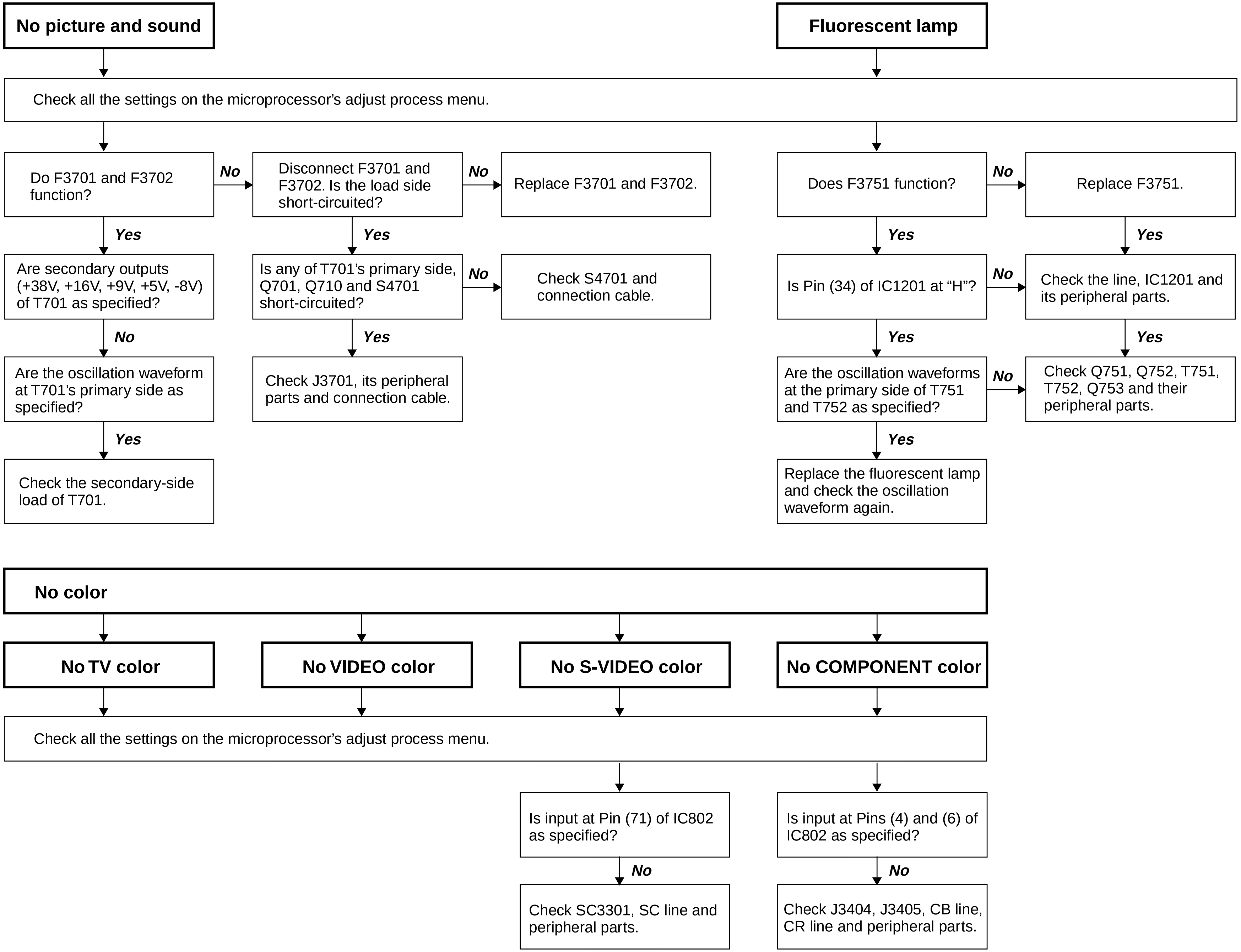
5. Shipping setting list

Channel		2ch
Air/Cable		Air
Skip Data_CATV		All Skip
Skip Data_AIR		All Skip
Volume		20
Picture		30
Tint		0
Color		0
Black Level		0
SHARP		0
RED-BLUE		0
GREEN		0
TV Color System		N358
AV Color System		Auto
Language		English
Blue Screen		Off
EZ Setup Auto Start		On
Sleep Timer		None
MTS		Stereo
Brightness		Bright
Auto Power Off		Off
Upside		Normal
Right/Left		Normal
AV1		Normal
AV2 IN/OUT		In
Closed Caption	(Mode)	OFF
	(Data)	CH1
V Chip block	(MPAA)	None
	(TV Guideline)	None
	(Block Content)	All Unblock
	(Status)	Off
	(Input Secret No.)	Clear

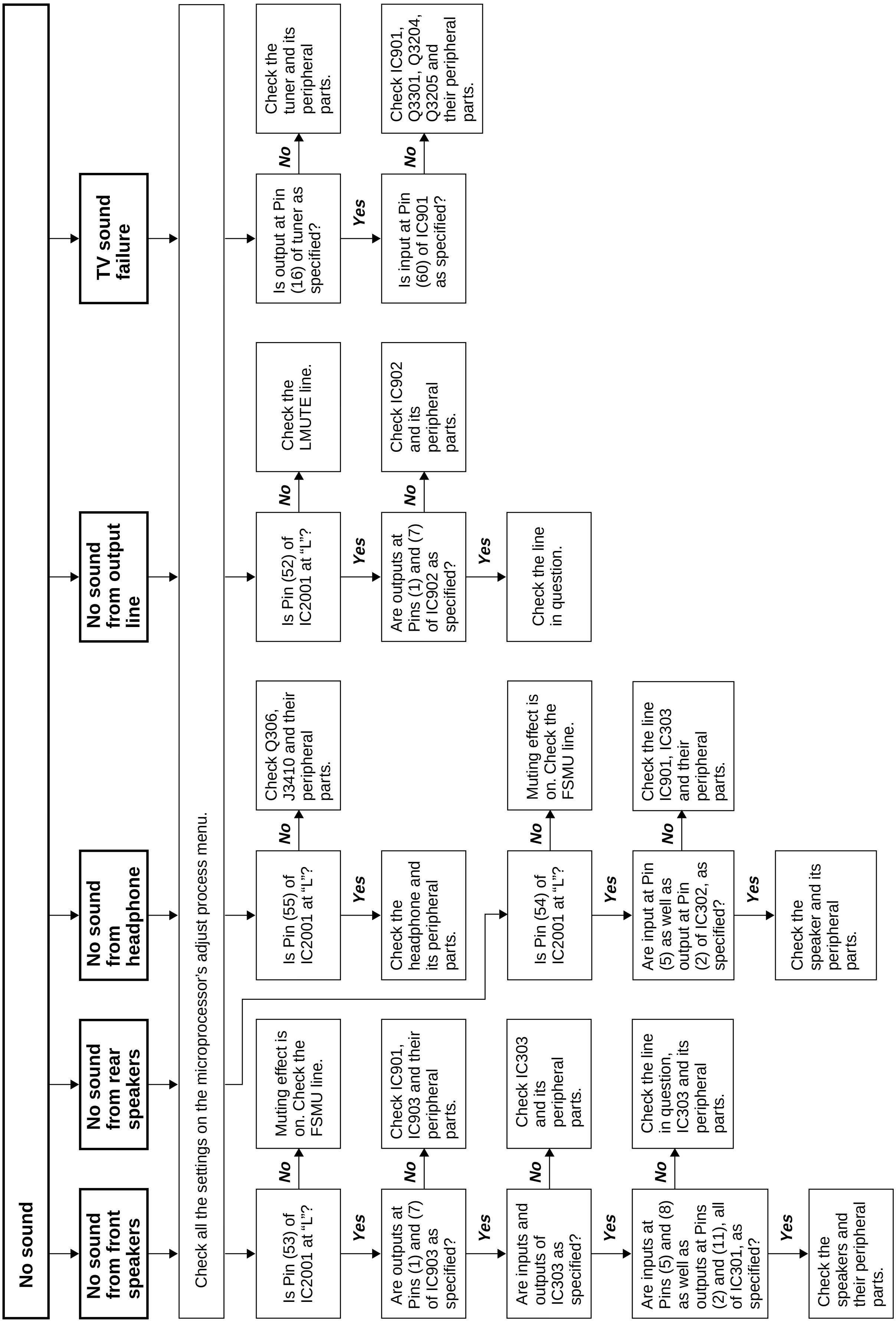
TROUBLE SHOOTING TABLE


No picture
No picture at all
No TV and VIDEO 1 output
No TV output
No VIDEO 1 output
No VIDEO 2 output
No S VIDEO output
No COMPONENT output
Check all the settings on the microprocessor's adjust process menu.
Are inputs and outputs of IC802 as specified?
No
Check IC802 and its peripheral parts.
Yes
Are inputs and outputs of IC1201 as specified?
No
Check IC1201 and its peripheral parts.
Yes
Check LCD panel voltage and waveform.
Are inputs and outputs of IC402 as specified?
No
Check IC402 and its peripheral parts.
Yes
Is input at Pin (73) of IC802 as specified?
No
Check IC802, AV1 line and their peripheral parts.
Are voltages at Pins (6), (7) and (9) of tuner as specified?
No
Check the power line.
Yes
Is output at Pin (19) of tuner as specified?
No
Check the tuner and its peripheral parts.
Yes
Is input at Pin (1) of IC402 as specified?
No
Check the line in question.
Yes
Are Pins (2) and (4) of IC402 at "H" and "L" respectively?
No
Are Pins (65) and (66) of IC2001 at "H" and "L" respectively?
Yes
Check the line in question.
Yes
Check IC402 and its peripheral parts.
Is input at Pin (1) of IC402 as specified?
No
Check the line in question.
Yes
Are Pins (2) and (4) of IC402 both at "L"?
No
Are Pins (65) and (66) of IC2001 both at "L"?
Yes
Check the line in question.
Yes
Check IC402 and its peripheral parts.
Is input at Pin (74) of IC802 as specified?
No
Check J3409, AV2 line and their peripheral parts.
Are inputs at Pins (71) and (72) of IC802 as specified?
No
Check SC3301, SY line, SC line and peripheral parts.
Is input at Pins (4), (5), (6) and (75) of IC802 as specified?
No
Check J3404, J3405, J3406, DVD-Y line, CB line, CR line and peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

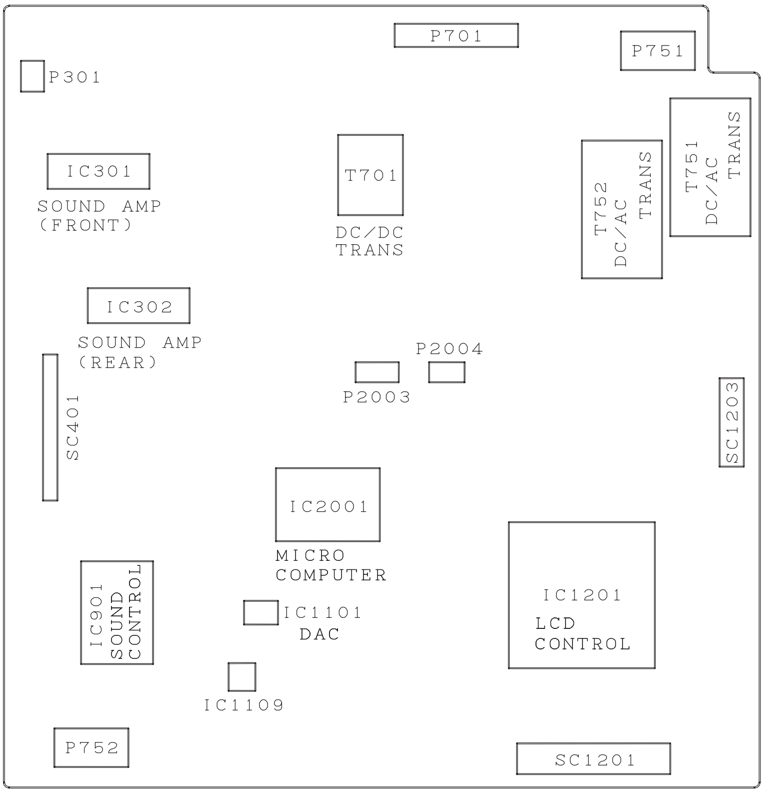

No picture and sound
Fluorescent lamp
Check all the settings on the microprocessor's adjust process menu.
Do F3701 and F3702 function?
No
Disconnect F3701 and F3702. Is the load side short-circuited?
No
Replace F3701 and F3702.
Yes
Yes
Are secondary outputs (+38V, +16V, +9V, +5V, -8V) of T701 as specified?
Is any of T701's primary side, Q701, Q710 and S4701 short-circuited?
No
Check S4701 and connection cable.
No
Yes
Are the oscillation waveform at T701's primary side as specified?
Check J3701, its peripheral parts and connection cable.
Yes
Check the secondary-side load of T701.
Does F3751 function?
No
Replace F3751.
Yes
Yes
Is Pin (34) of IC1201 at "H"?
No
Check the line, IC1201 and its peripheral parts.
Yes
Yes
Are the oscillation waveforms at the primary side of T751 and T752 as specified?
No
Check Q751, Q752, T751, T752, Q753 and their peripheral parts.
Yes
Replace the fluorescent lamp and check the oscillation waveform again.
No color
No TV color
No VIDEO color
No S-VIDEO color
No COMPONENT color
Check all the settings on the microprocessor's adjust process menu.
Is input at Pin (71) of IC802 as specified?
No
Check SC3301, SC line and peripheral parts.
Is input at Pins (4) and (6) of IC802 as specified?
No
Check J3404, J3405, CB line, CR line and peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

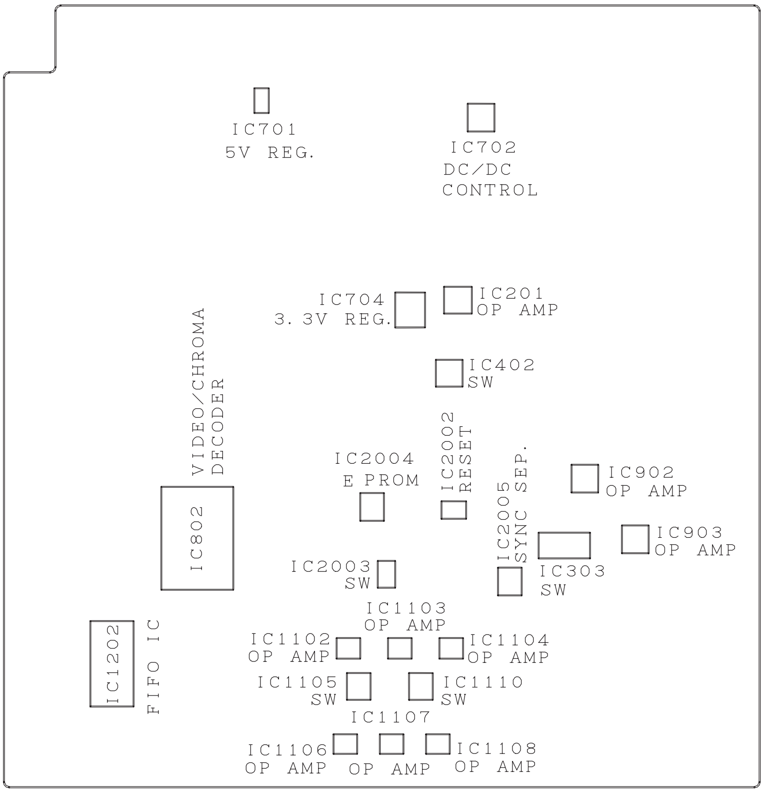

No sound
No sound from front speakers
No sound from rear speakers
No sound from headphone
No sound from output line
TV sound failure
Check all the settings on the microprocessor's adjust process menu.
Is Pin (53) of IC2001 at "L"?
No
Muting effect is on. Check the FSMU line.
Yes
Are outputs at Pins (1) and (7) of IC903 as specified?
No
Check IC901, IC903 and their peripheral parts.
Yes
Are inputs and outputs of IC303 as specified?
No
Check IC303 and its peripheral parts.
Yes
Are inputs at Pins (5) and (8) as well as outputs at Pins (2) and (11), all of IC301, as specified?
No
Check the line in question, IC303 and its peripheral parts.
Yes
Check the speakers and their peripheral parts.
Is Pin (55) of IC2001 at "L"?
No
Check Q306, J3410 and their peripheral parts.
Yes
Check the headphone and its peripheral parts.
Is Pin (54) of IC2001 at "L"?
No
Muting effect is on. Check the FSMU line.
Yes
Are input at Pin (5) as well as output at Pin (2) of IC302, as specified?
No
Check the line IC901, IC303 and their peripheral parts.
Yes
Check the speaker and its peripheral parts.
Is Pin (52) of IC2001 at "L"?
No
Check the LMUTE line.
Yes
Are outputs at Pins (1) and (7) of IC902 as specified?
No
Check IC902 and its peripheral parts.
Yes
Check the line in question.
Is output at Pin (16) of tuner as specified?
No
Check the tuner and its peripheral parts.
Yes
Is input at Pin (60) of IC901 as specified?
No
Check IC901, Q3301, Q3204, Q3205 and their peripheral parts.

CHASSIS LAYOUT

MAIN Unit (Side-A)


P701
P751
P301
IC301
SOUND AMP
(FRONT)
T701
DC/DC
TRANS
T752
DC/AC
TRANS
T751
DC/AC
TRANS
IC302
SOUND AMP
(REAR)
P2004
P2003
SC401
SC1203
IC2001
MICRO
COMPUTER
IC901
SOUND
CONTROL
IC1101
DAC
IC1201
LCD
CONTROL
IC1109
P752
SC1201
J
I
H
G
F
E
D
C
B
A

MAIN Unit (Side-B)


IC701
5V REG.
IC702
DC/DC
CONTROL
IC704
3.3V REG.
IC201
OP AMP
IC402
SW
VIDEO/CHROMA
DECODER
IC2002
RESET
IC2004
E PROM
IC2005
SYNC SEP.
IC902
OP AMP
IC802
IC903
OP AMP
IC2003
SW
IC303
SW
IC1103
OP AMP
IC1102
OP AMP
IC1104
OP AMP
IC1202
FIFO IC
IC1105
SW
IC1110
SW
IC1107
IC1106
OP AMP
OP AMP
IC1108
OP AMP
1
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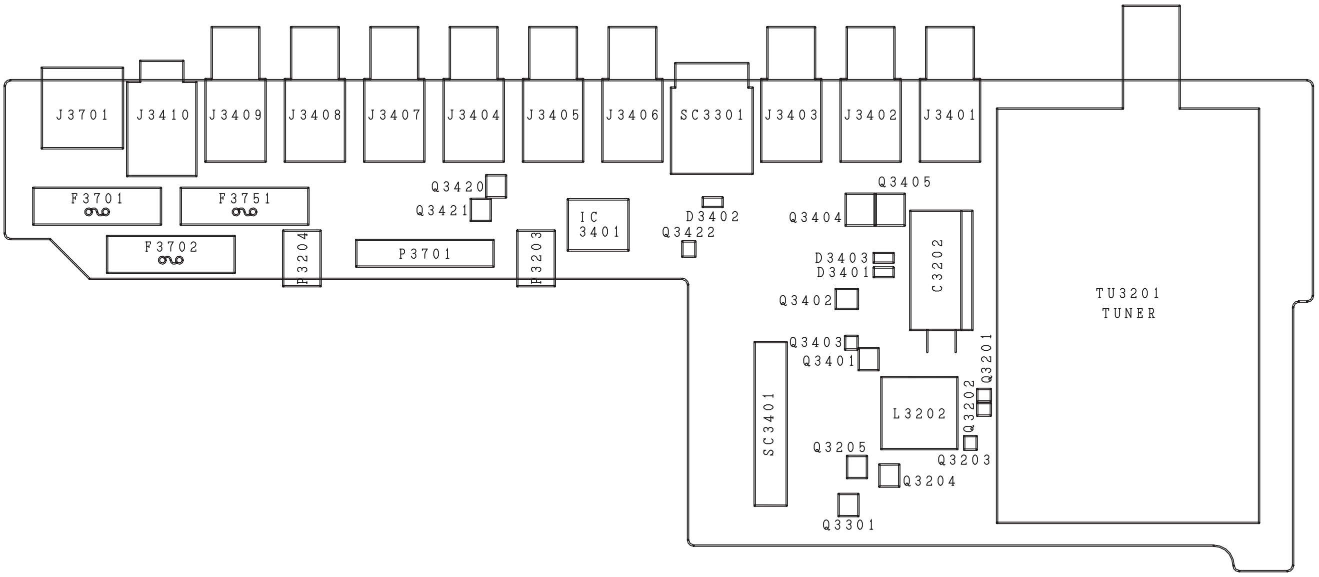
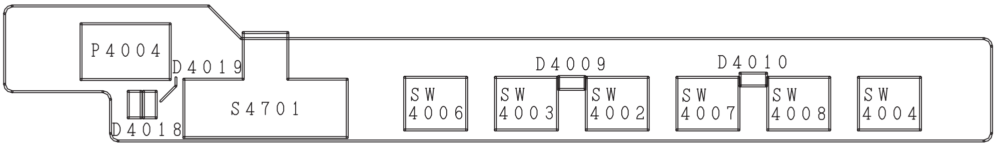
10

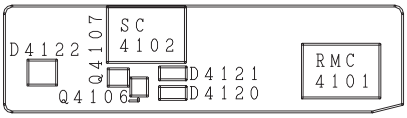
TERMINAL Unit


J3701
J3410
J3409
J3408
J3407
J3404
J3405
J3406
SC3301
J3403
J3402
J3401
F3701
F3751
F3702
P3204
P3701
P3203
Q3420
Q3421
IC 3401
D3402
Q3422
Q3405
Q3404
D3403
D3401
C3202
Q3402
Q3403
Q3401
SC3401
L3202
Q3201
Q3202
Q3203
Q3205
Q3204
Q3301
TU3201 TUNER

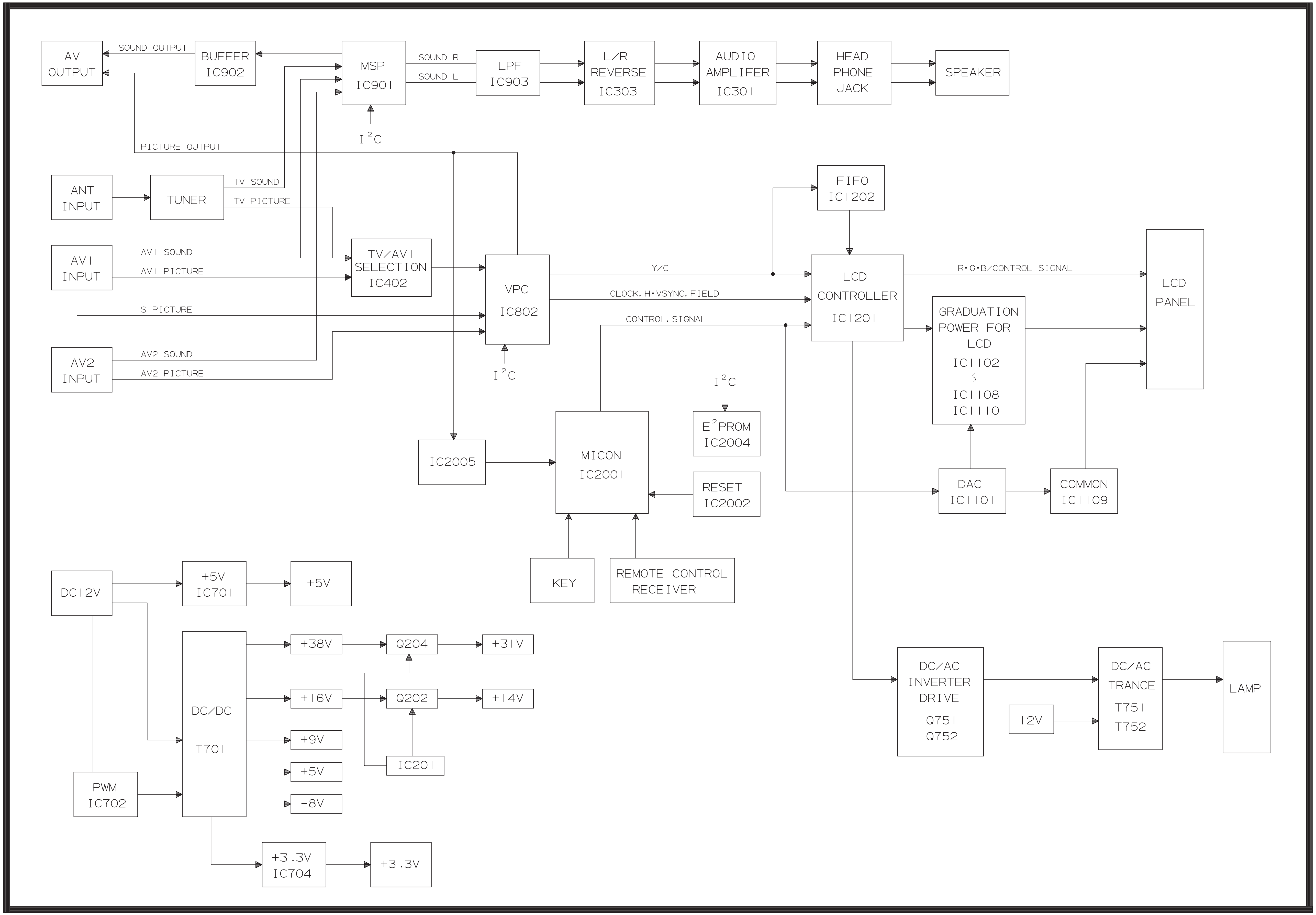
SWITCH Unit


P4004
D4019
D4018
S4701
D4009
D4010
SW 4006
SW 4003
SW 4002
SW 4007
SW 4008
SW 4004

R/C Unit


D4122
Q4107
SC 4102
Q4106
D4121
D4120
RMC 4101

BLOCK DIAGRAM


AV OUTPUT
SOUND OUTPUT
BUFFER IC902
MSP IC901
SOUND R
SOUND L
LPF IC903
L/R REVERSE IC303
AUDIO AMPLIFER IC301
HEAD PHONE JACK
SPEAKER
I^2C
PICTURE OUTPUT
ANT INPUT
TUNER
TV SOUND
TV PICTURE
FIFO IC1202
AV1 INPUT
AV1 SOUND
AV1 PICTURE
TV/AV1 SELECTION IC402
VPC IC802
Y/C
LCD CONTROLLER IC1201
R・G・B/CONTROL SIGNAL
LCD PANEL
S PICTURE
CLOCK, H・VSYNC, FIELD
CONTROL, SIGNAL
GRADUATION POWER FOR LCD IC1102 ~ IC1108 IC1110
AV2 INPUT
AV2 SOUND
AV2 PICTURE
I^2C
I^2C
E^2PROM IC2004
IC2005
MICON IC2001
RESET IC2002
DAC IC1101
COMMON IC1109
KEY
REMOTE CONTROL RECEIVER
DC12V
+5V IC701
+5V
DC/DC T701
+38V
Q204
+31V
+16V
Q202
+14V
+9V
+5V
-8V
IC201
PWM IC702
+3.3V IC704
+3.3V
DC/AC INVERTER DRIVE Q751 Q752
DC/AC TRANCE T751 T752
12V
LAMP

DESCRIPTION OF SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH "⚠"(▨) ARE INPORTANT FOR MAINTAINING THE SAFETY OF THE SET.
BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FORMAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

1. When the exclusive-use AC adapter is used, the color bar signal of color bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 kΩ/V tester.
2. When the exclusive-use AC adapter is used, the color density, lightness and color hue are set to the center position, and the signal of color bar generator for service is observed to get waveform.
   The wave form test point is indicated with the mark (📍) in the wiring diagram.
3. Indication of resistors and capacitors

   [Resistors]

   Unit : Nonindication … Ω, K…kΩ,
   M … MΩ

   Error : Nonindication … ±10%
   J … ±5%
   F … ±1%
   D … ±0.5%

   [Capacitor]

   Unit : Nonindication or μ … μF,
   P or p … pF

AVIS DE SECURITE IMPORTANT:

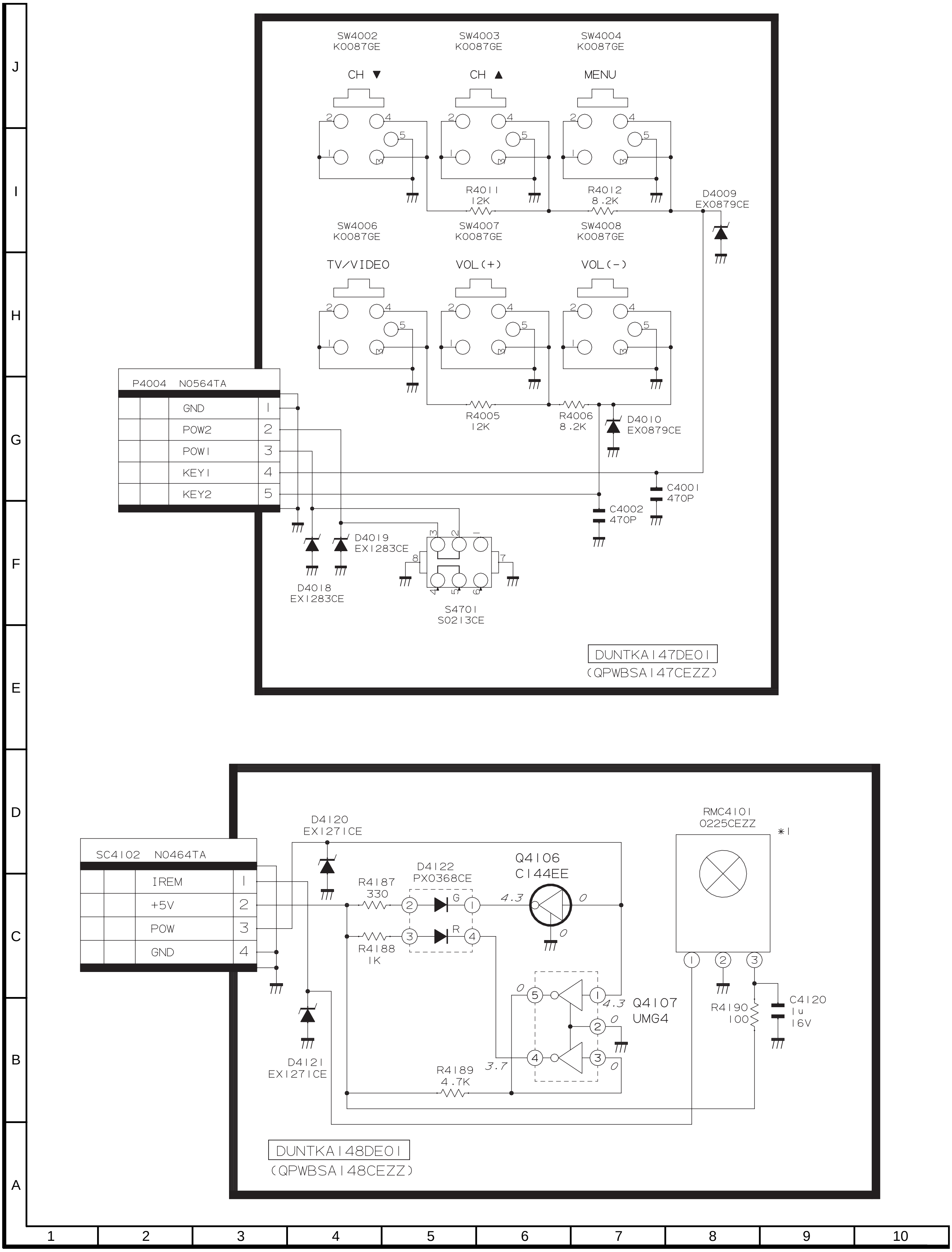
LES PIECES MARQUEES " ⚠ " (▨) SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL.
NE REMPLACER CES PIECES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL.

[Item]

Resistors	
Nonindication	Carbon-film resistor
Ⓒ	Solid resistor
Ⓢ	Metal-oxide-film resistor
Ⓝ	Metal-film resistor
Ⓦ	Cement resistor
Ⓣ	Special resistor

Capacitors	
Nonndication	Ceramic capacitor
ML	Mylar capacitor
PF	Polypropylene
film capacitor	
TA	Tantalum capacitor
Styrol capacitor	

SWITCH and R/C Unit


SW4002
K0087GE
CH ▼
SW4003
K0087GE
CH ▲
SW4004
K0087GE
MENU
R4011
12K
R4012
8.2K
D4009
EX0879CE
SW4006
K0087GE
TV/VIDEO
SW4007
K0087GE
VOL(+)
SW4008
K0087GE
VOL(-)
R4005
12K
R4006
8.2K
D4010
EX0879CE
P4004 N0564TA
GND 1
POW2 2
POW1 3
KEY1 4
KEY2 5
C4001
470P
C4002
470P
D4019
EX1283CE
D4018
EX1283CE
S4701
S0213CE
DUNTKA147DE01
(QPWBSA147CEZZ)
D4120
EX1271CE
RMC4101
0225CEZZ
*1
SC4102 N0464TA
IREM 1
+5V 2
POW 3
GND 4
Q4106
C144EE
D4122
PX0368CE
R4187
330
R4188
1K
4.3
0
G
R
Q4107
UMG4
R4190
100
C4120
1u
16V
D4121
EX1271CE
R4189
4.7K
3.7
DUNTKA148DE01
(QPWBSA148CEZZ)
J
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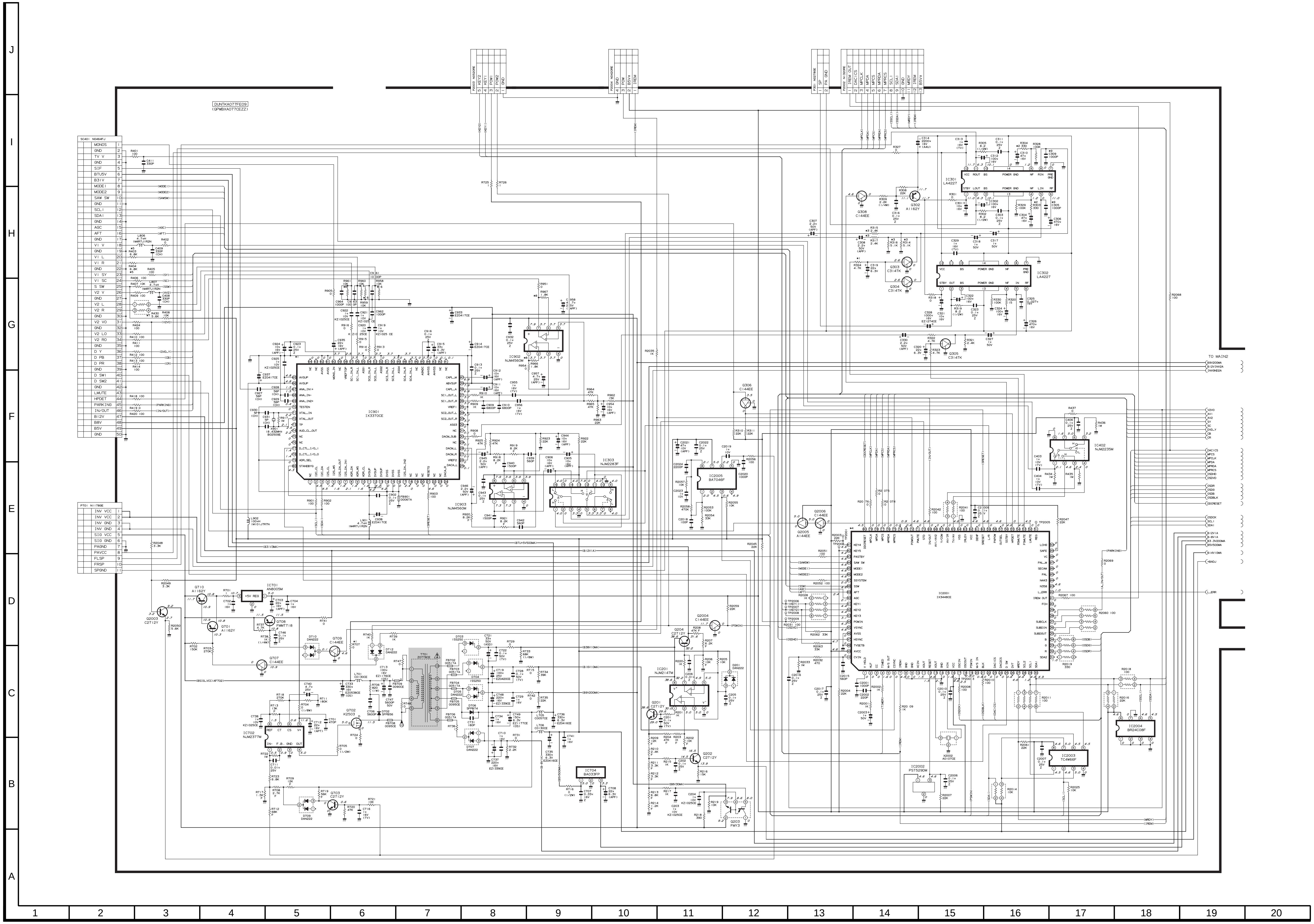
■ MAIN Unit -1/2

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS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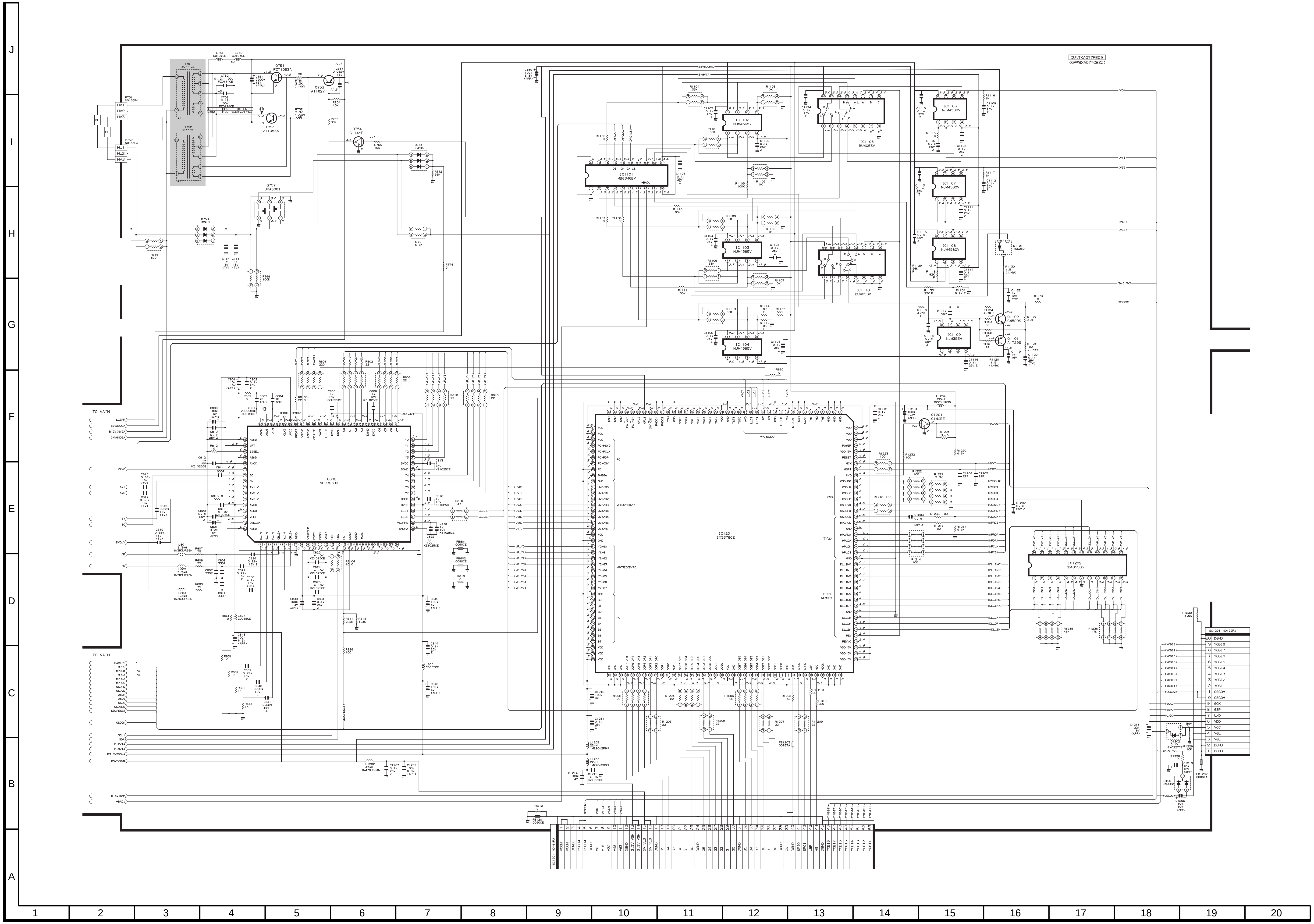
19
20
DUNTKA077FE09
(QPWBXA077CEZZ)
SC401
P701
IC901
IX3370CE
IC902
NJM4560M
IC903
NJM4560M
IC303
NJM2283F
IC301
LA4227
IC302
LA4227
IC402
NJM2235M
IC2001
IX3448CE
IC2005
BA7046F
IC2003
TC4W66F
IC2004
BR24C08F
IC2002
PST529DM
IC701
AN8005M
IC702
NJM2377M
IC704
BA033FP
IC201
NJM2147M
T701
TO MAIN2

■ MAIN Unit -2/2

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS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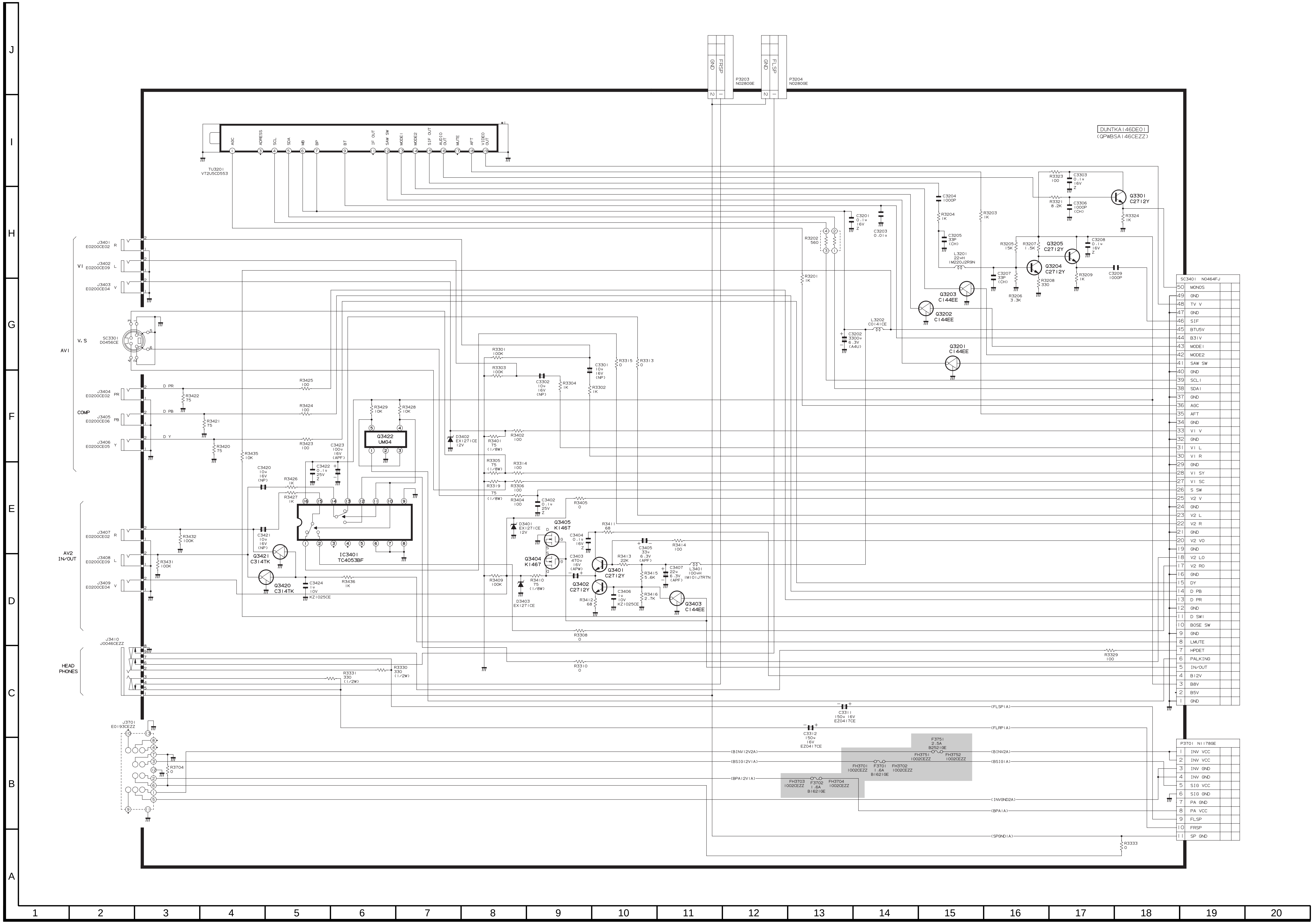
16
17
18
19
20
T751 Z0T77CE
T752 Z0T77CE
Q751 FZT1053A
Q752 FZT1053A
Q753 A1162Y
Q754 C114YE
Q757 UPA606T
IC802 VPC3230D
IC1101 MB88346BV
IC1102 NJM4565V
IC1103 NJM4565V
IC1104 NJM4565V
IC1105 BU4053V
IC1106 NJM4580V
IC1107 NJM4580V
IC1108 NJM4580V
IC1109 NJM353M
IC1110 BU4053V
IC1201 IX3378CE
IC1202 PD485505
Q1101 A1729S
Q1102 C4520S
Q1201 C144EE
D1101 1SS250
DUNTKA077FE09 (QPWBXA077CEZZ)
TO MAIN1
SC1201 NO49FJ
SC1203 NO199FJ

■ TERMINAL Unit

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS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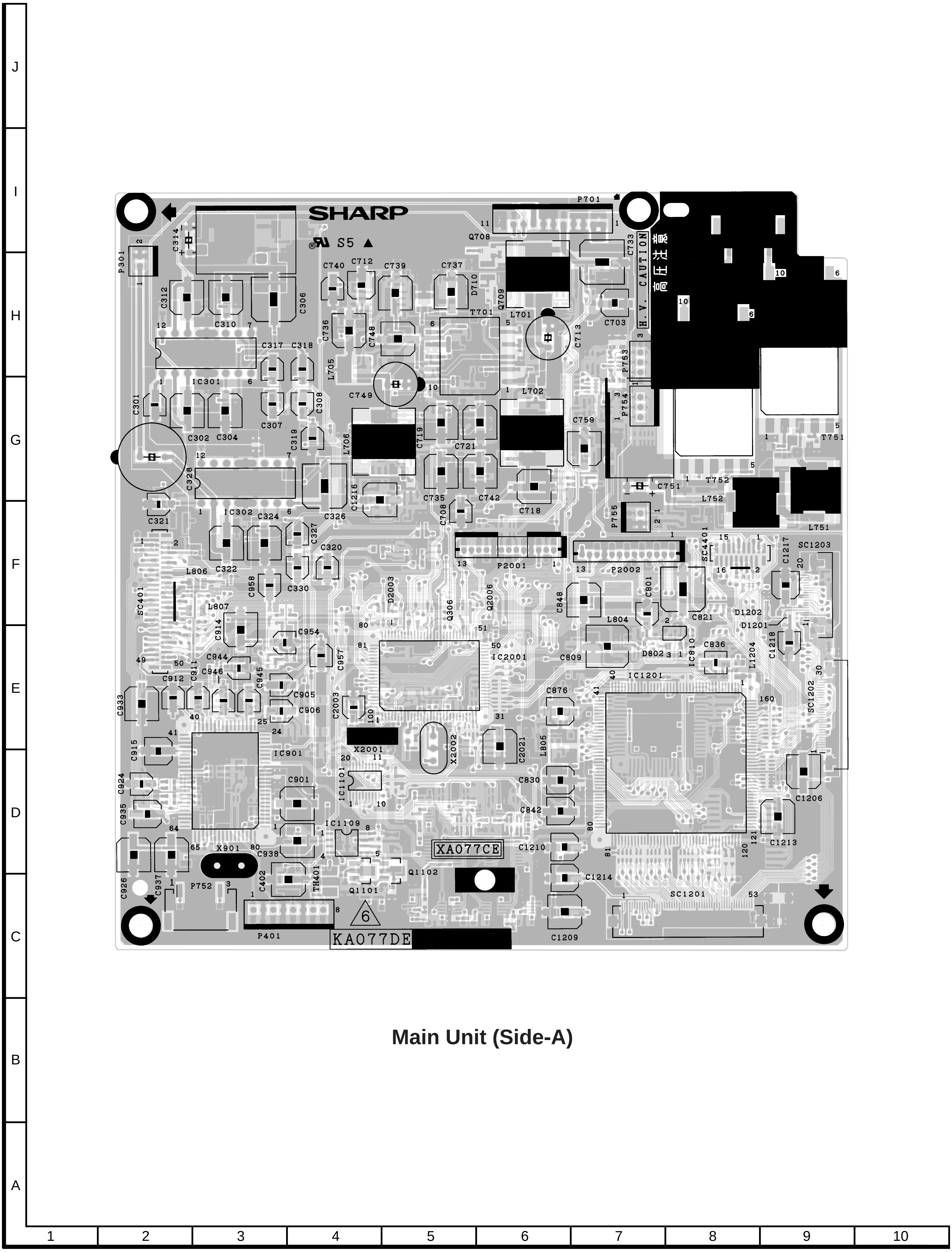
TU3201 VT2U5CD553
AGC
ADRESS
SCL
SDA
MB
BP
BT
IF OUT
SAW SW
MODE1
MODE2
SIF OUT
AUDIO OUT
MUTE
AFT
VIDEO OUT
P3203 N0280EE
P3204 N0280EE
GND
FRSP
FLSP
DUNTKA146DE01 (QPWBSA146CEZZ)
AV1
V1
V. S
COMP
J3401 E0200CE02
J3402 E0200CE09
J3403 E0200CE04
SC3301 D0456CE
J3404 E0200CE02
J3405 E0200CE06
J3406 E0200CE05
AV2 IN/OUT
J3407 E0200CE02
J3408 E0200CE09
J3409 E0200CE04
HEAD PHONES
J3410 J0046CEZZ
J3701 E0193CEZZ
Q3422 UMG4
IC3401 TC4053BF
Q3421 C3147K
Q3420 C3147K
Q3405 K1467
Q3404 K1467
Q3401 C2712Y
Q3402 C2712Y
Q3403 C144EE
Q3301 C2712Y
Q3205 C2712Y
Q3204 C2712Y
Q3203 C144EE
Q3202 C144EE
Q3201 C144EE
D3401 EX127ICE 12V
D3402 EX127ICE 12V
D3403 EX127ICE
L3201 22uH IM220J2R9N
L3202 C0141CE
L3401 100uH IM101J7R7N
SC3401 N0464FJ
50 MONOS
49 GND
48 TV V
47 GND
46 SIF
45 BTU5V
44 B31V
43 MODE1
42 MODE2
41 SAW SW
40 GND
39 SCL1
38 SDA1
37 GND
36 AGC
35 AFT
34 GND
33 V1 V
32 GND
31 V1 L
30 V1 R
29 GND
28 V1 SY
27 V1 SC
26 S SW
25 V2 V
24 GND
23 V2 L
22 V2 R
21 GND
20 V2 VO
19 GND
18 V2 LO
17 V2 RO
16 GND
15 DY
14 D PB
13 D PR
12 GND
11 D SW1
10 BOSE SW
9 GND
8 LMUTE
7 HPDET
6 PALKING
5 IN/OUT
4 B12V
3 B8V
2 B5V
1 GND
P3701 N1178GE
1 INV VCC
2 INV VCC
3 INV GND
4 INV GND
5 SIG VCC
6 SIG GND
7 PA GND
8 PA VCC
9 FLSP
10 FRSP
11 SP GND
F3751 2.5A B2521GE
FH3751 1002CEZZ
FH3752 1002CEZZ
FH3701 1002CEZZ
F3701 1.6A B1621GE
FH3702 1002CEZZ
FH3703 1002CEZZ
F3702 1.6A B1621GE
FH3704 1002CEZZ
C3311 150u 16V EZ0417CE
C3312 150u 16V EZ0417CE
(FLSP1A)
(FLRP1A)
(BINV12V2A)
(BSIG12V1A)
(BPA12V1A)
(BINV2A)
(BSIG1A)
(INVGND2A)
(BPA1A)
(SPGND1A)
R3333 0
R3329 100
R3308 0
R3310 0
R3330 330 (1/2W)
R3331 330 (1/2W)
R3704 0
C3202 3300u 6.3V (A4U)

PRINTED WIRING BOARD ASSEMBLIES


J
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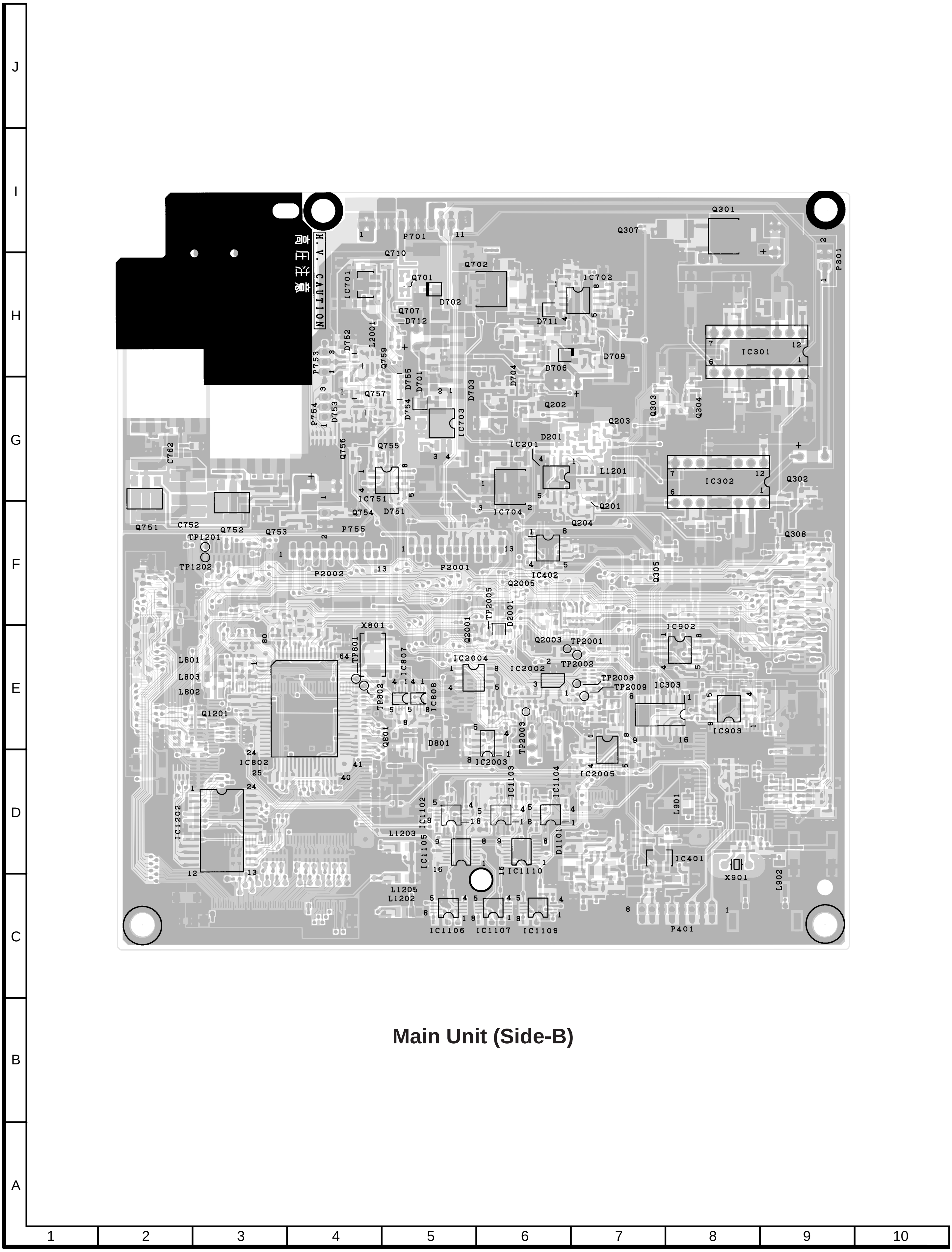
SHARP
S5
P701
Q708
C733
H.V. CAUTION
高圧注意
P301
C314
C312
C310
C306
IC301
C301
C302
C304
C307
C319
C308
C317
C318
IC302
C328
C321
C324
C326
C327
C320
C322
C330
C958
L806
L807
SC401
C914
C954
C944
C946
C945
C912
C911
C933
C905
C906
C957
C2003
C915
C924
C935
IC901
X901
C938
C926
C937
P752
C402
TH401
P401
C901
IC1109
IC1101
Q1102
Q1101
X2001
X2002
C2021
XA077CE
KA077DE
C740
C712
C739
C737
D710
Q709
C736
C748
L705
C749
T701
L701
L702
C713
C703
P753
P754
C759
L706
C719
C721
C735
C742
C718
C708
C1216
C751
T752
L752
L751
T751
P755
P2001
P2002
SC4401
C1217
SC1203
D2003
Q306
Q2006
C848
C801
L804
C821
D1202
D1201
IC2001
C809
D802
IC810
C836
L1204
C1218
IC1201
C876
L805
C830
C842
C1210
C1214
C1209
SC1202
C1206
C1213
SC1201

Main Unit (Side-A)


J
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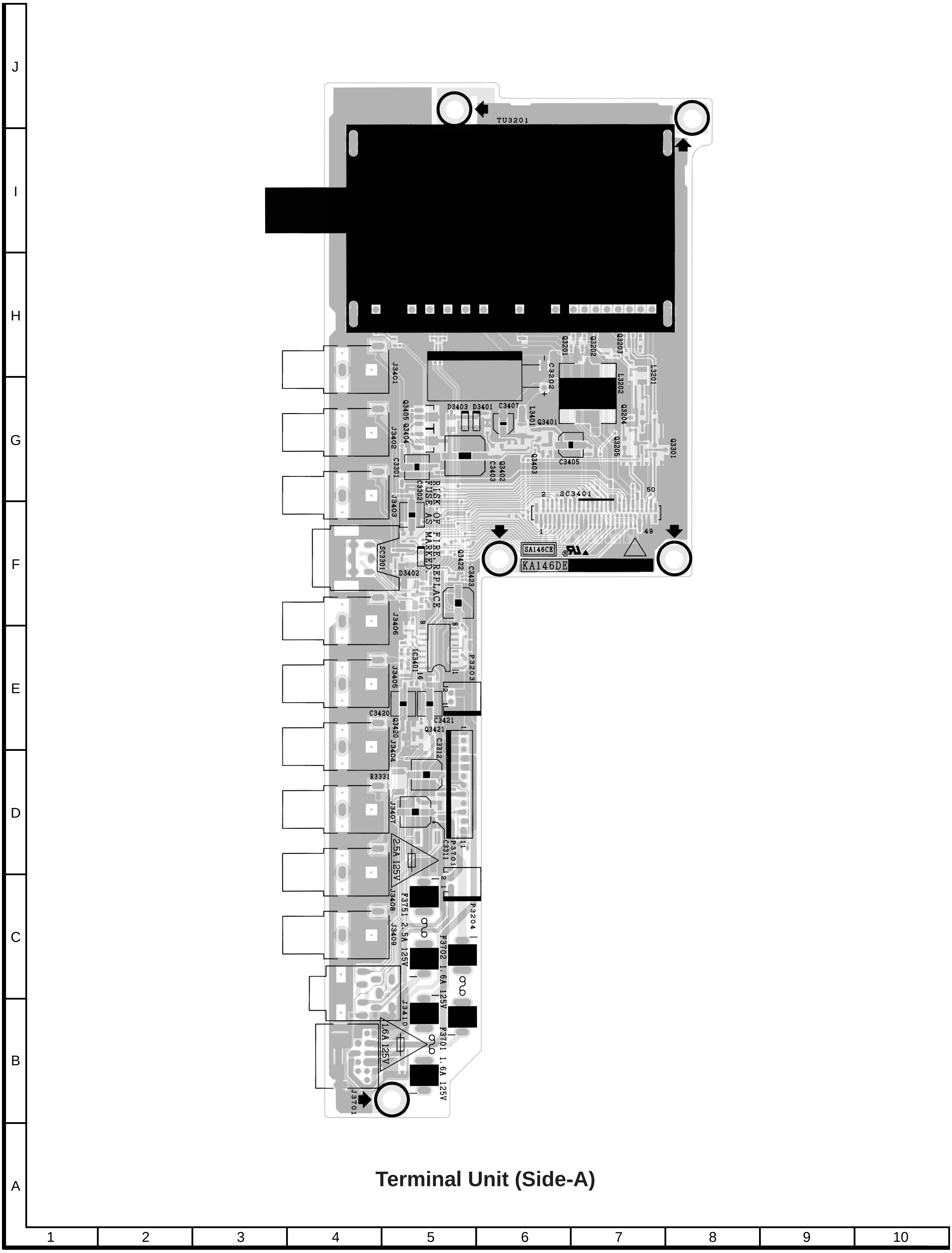
H.V. CAUTION
高压注意
P701
Q710
IC701
Q701
D702
Q702
IC702
D711
Q707
D712
D709
D706
L2001
D752
P753
Q759
D755
D701
D703
D704
P754
D753
Q757
D754
IC703
Q202
Q203
Q303
Q304
Q301
Q307
P301
IC301
Q756
Q755
C762
D201
IC201
L1201
IC302
Q302
IC751
Q754
D751
IC704
Q201
Q204
Q751
C752
Q752
Q753
P755
TP1201
TP1202
P2002
P2001
IC402
Q2005
Q305
Q308
TP2005
D2001
Q2001
X801
TP801
IC807
IC2004
IC2002
Q2003
TP2001
TP2002
TP2008
TP2009
IC303
IC902
IC903
L801
L803
L802
Q1201
TP802
IC808
Q801
D801
IC802
IC2003
TP2003
IC1103
IC1104
IC2005
IC1202
IC1102
IC1105
L1203
D1101
IC1110
L901
IC401
X901
L902
L1205
L1202
IC1106
IC1107
IC1108
P401

Main Unit (Side-B)


J
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TU3201
J3401
J3402
J3403
SC3301
D3402
J3406
J3405
J3404
J3407
J3408
J3409
J3410
J3701
Q3405
Q3404
C3301
C3302
C3420
Q3420
R3331
C3202
D3403
D3401
C3407
L3401
Q3401
Q3402
C3403
Q3403
C3405
Q3201
Q3202
Q3203
L3202
L3201
Q3204
Q3205
Q3301
SC3401
2
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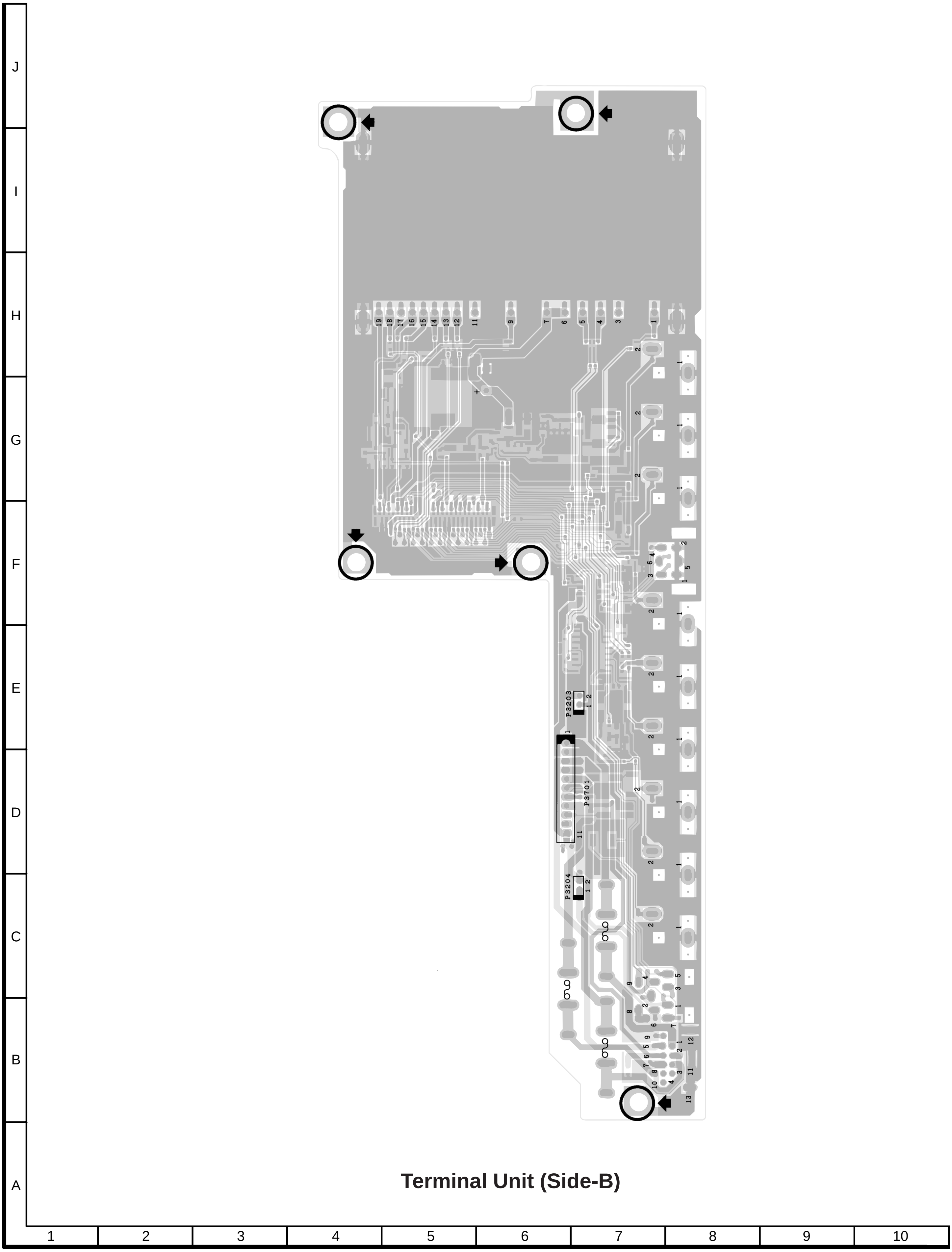
1
49
RISK OF FIRE. REPLACE FUSE AS MARKED.
SA146CE
KA146DE
Q3422
C3423
IC3401
P3203
C3421
Q3421
C3312
P3701
C3311
P3204
2.5A 125V
F3751 2.5A 125V
F3702 1.6A 125V
F3701 1.6A 125V
1.6A 125V

Terminal Unit (Side-A)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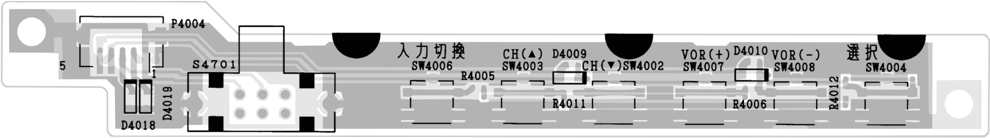
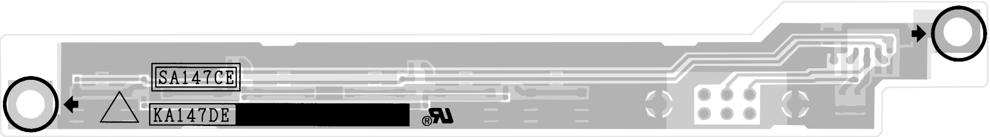
P3203
P3701
P3204

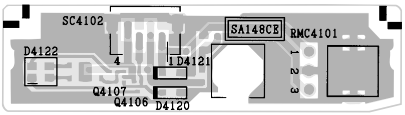
Terminal Unit (Side-B)


P4004
5
1
S4701
D4019
D4018
入力切換
SW4006
R4005
CH(▲)
SW4003
D4009
CH(▼)SW4002
R4011
VOR(+)
SW4007
D4010
VOR(−)
SW4008
R4006
R4012
選択
SW4004

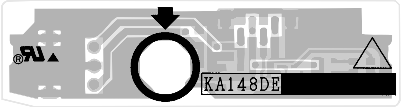
Switch Unit (Side-A)


SA147CE
KA147DE

Switch Unit (Side-B)


SC4102
SA148CE
RMC4101
D4122
4
1
D4121
Q4107
Q4106
D4120
1
2
3

R/C Unit (Side-A)



R/C Unit (Side-B)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" and shaded area in the Replacement Parts Lists and schematic diagrams.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

" HOW TO ORDER REPLACEMENT PARTS "

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER	**2. REF. NO.**
3. PART NO.	**4. DESCRIPTION**

in USA : Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free: 1-800-BE SHARP

MARK★: SPARE PARTS-DELIVERY SECTION

LCD MODULE UNIT

Ref. No.	Part No.	★	Description	Code
	RLCDT0058CEZZ	J	LCD Module Unit	DQ

LAMP UNIT

Ref. No.	Part No.	★	Description	Code
⚠	KLMP-0098CEZZ	J	Lamp Unit	BA

PRINTED WIRING BOARD ASSEMBLIES *(NOT REPLACEMENT ITEM)*

Ref. No.	Part No.	★	Description	Code
	DUNTKA077FE09	–	Main PWB Unit	—
	DUNTKA146DE01	–	Terminal PWB Unit	—
	DUNTKA147DE01	–	Switch PWB Unit	—
	DUNTKA148DE01	–	R/C PWB Unit	—

LISTE DES PIECES

CHANGE DES PIECES

Les pièces de rechange qui présentent ces caractéristiques spéciales de sécurité, sont identifiées dans ce manuel : les pièces électriques qui présentent ces particularités, sont repérée par la marque "⚠" et sont hachurées dans les listes de pièces et dans les diagrammes sch ématiques.
La substitution d'une pièce de rechange par une autre qui ne présente pas les mêmes caractéristiques de sécurité que la pièce recommand ée par l'usine et repérée dans ce manuel de service, peut provoquer une électrocution, un incendie ou tout autre sinistre.

" COMMENT COMMANDER LES PIECES DE RECHANGE "

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

1. NUMERO DU MODELE	**2. NO. DE REF**
3. NO. DE PIECE	**4. DESCRIPTION**

in CANADA : Contact SHARP Electronics of Canada Limited Phone (416) 890-2100

MARK★: SPARE PARTS-DELIVERY SECTION

DUNTKA077FE09
MAIN PWB UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC201	VHiNJM2147M-1	J	NJM2147M	AF
IC301	VHiLA4227//-1	J	LA4227, Audio Amplifer	AG
IC302	VHiLA4227//-1	J	LA4227	AG
IC303	VHiNJM2283F-1	J	NJM2283M, L/R Reverse	AF
IC402	VHiNJM2235M-1	J	NJM2235M, TV/AV1 Selection	AE
IC701	VHiAN8005M/-1	J	AN8005M	AD
IC702	VHiNJM2377M-1	J	NJM2377M, PWM	AK
IC704	VHiBA033FP/-1	J	BA033FP	AG
IC802	VHiVPC3230D-1	J	VPC3230D, VPC	BG
IC901	RH-iX3370CEZZ	J	IX3370CE, MSP	AZ
IC902	VHiNJM4560M-1	J	NJM4560M, Buffer	AG
IC903	VHiNJM4560M-1	J	NJM4560M, LPF	AG
IC1101	VHiMB8346BV-1	J	MB8346BV, DAC	AN
IC1102	VHiNJM4565V-1	J	NJM4565V	AF
IC1103	VHiNJM4565V-1	J	NJM4565V	AF
IC1104	VHiNJM4565V-1	J	NJM4565V	AF
IC1105	VHiBU4053V/-1	J	BU4053V	AE
IC1106	VHiNJM4580V-1	J	NJM4580V	AE
IC1107	VHiNJM4580V-1	J	NJM4580V	AE
IC1108	VHiNJM4580V-1	J	NJM4580V	AE
IC1109	VHiNJM353M/-1	J	NJM353M, COMMON	AG
IC1110	VHiBU4053V/-1	J	BU4053V	AE
IC1201	RH-iX3378CEZZ	J	IX3378CE, LCD Controller	AY
IC1202	VHiPD485505-2	J	PD485505	AY
IC2001	RH-iX3448CEZZ	J	IX3448CEN, Micon	BA
IC2002	VHiPST529DM-1	J	PST529DM, Reset	AE
IC2003	VHiTC4W66F/-1	J	TC4W66F	AE
IC2004	VHiBR24C08F-1	J	BR24C08F, E^2PROM	AF
IC2005	VHiBA7046F/-1	J	BA7046F	AF

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q201	VS2SC2712Y/-1	J	2SC2712Y	AB
Q202	VS2SC2712Y/-1	J	2SC2712Y	AB
Q203	VSFMY3/////-1	J	FMY3	AB
Q204	VS2SC2712Y/-1	J	2SC2712Y	AB
Q302	VS2SA1162Y/-1	J	2SA1162Y	AB
Q303	VSDTC314TK/-1	J	DTC314TK	AC
Q304	VSDTC314TK/-1	J	DTC314TK	AC
Q305	VSDTC314TK/-1	J	DTC314TK	AC
Q306	VSDTC144EE/-1	J	DTC144EE	AA

DUNTKA077FE09
MAIN PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
Q308	VSDTC144EE/-1	J	DTC144EE	AA
Q701	VS2SA1162Y/-1	J	2SA1162Y	AB
Q702	VS2SK2503//-1	J	2SK2503	AE
Q703	VS2SC2712Y/-1	J	2SC2712Y	AB
Q707	VSDTC144EE/-1	J	DTC144EE	AA
Q708	VSFMMT718//-1	J	FMMT718	AE
Q709	VSDTC144EE/-1	J	DTC144EE	AA
Q710	VS2SA1162Y/-1	J	2SA1162Y	AB
Q751	VSFZT1053A/-1	J	FZT1053A	AG
Q752	VSFZT1053A/-1	J	FZT1053A	AG
Q753	VS2SA1162Y/-1	J	2SA1162Y	AB
Q754	VSDTC114YE/-1	J	DTC114YE	AB
Q757	VSUPA606T//-1	J	UPA606T	AD
Q1101	VS2SA1729S/-1	J	2SA1729S	AE
Q1102	VS2SC4520S/-1	J	2SC4520S	AF
Q1201	VSDTC144EE/-1	J	DTC144EE	AA
Q2003	VS2SC2712Y/-1	J	2SC2712Y	AB
Q2004	VSDTC144EE/-1	J	DTC144EE	AA
Q2005	VSDTA144EE/-1	J	DTA144EE	AA
Q2006	VSDTC144EE/-1	J	DTC144EE	AA

DIODES

Ref. No.	Part No.	★	Description	Code
D201	VHDDAN222//-1	J	DAN222	AA
D702	VHDSFPB56//2E	J	SFPB56	AC
D703	VHD1SS250//1E	J	1SS250	AB
D704	VHD1SS250//1E	J	1SS250	AB
D705	VHDDAN222//-1	J	DAN222	AA
D706	VHDSFPB74//2E	J	SFPB74	AD
D707	VHDDAN222//-1	J	DAN222	AA
D709	VHDDAN222//-1	J	DAN222	AA
D710	VHDDAN222//-1	J	DAN222	AA
D712	VHDDAN222//-1	J	DAN222	AA
D753	VHDiMN10///-1	J	IMN10	AB
D754	VHDiMN10///-1	J	IMN10	AB
D1101	VHD1SS250//1E	J	1SS250	AB
D1201	VHDDAN222//-1	J	DAN222	AA
D1202	RH-EX0227CEZZ	J	Zener Diode	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X801	RCRSC0012CEZZ	J	Crystal, CRSC0012CE	AH
X901	RCRSB0250GEZZ	J	Crystal, CRSB0250GE	AG

FILTER

Ref. No.	Part No.	★	Description	Code
X2002	RFiLA0107CEZZ	J	Filter, FiLA0107CE	AD

COILS

Ref. No.	Part No.	★	Description	Code
L701	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L705	RCiLC0057CEZZ	J	Coil, CiLC0057CE	AD
L706	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L751	RCiLC0107CEZZ	J	Coil, CiLC0107CE	AF
L752	RCiLC0107CEZZ	J	Coil, CiLC0107CE	AF
L801	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L802	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L803	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L804	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L805	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L806	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L807	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L901	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L902	VP-1M101J7R7N	J	Peaking, 100µH	AC
L1202	VP-1M470J5R4N	J	Peaking, 47µH	AC
L1203	VP-1M220J2R9N	J	Peaking, 22µH	AC
L1204	VP-1M220J2R9N	J	Peaking, 22µH	AC
L1205	VP-1M220J2R9N	J	Peaking, 22µH	AC

TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠ T701	RTRNZ0778CEZZ	J	Transformer	AM
⚠ T751	RTRNZ0777CEZZ	J	Transformer	AM
⚠ T752	RTRNZ0777CEZZ	J	Transformer	AM

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C201	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C203	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C204	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C205	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C206	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C301	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C302	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C303	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C304	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C305	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C306	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C307	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C308	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C309	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C310	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C311	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C312	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C313	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C314	VCEA4U1CN228M	J	2200 16V Electrolytic	AE
C316	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C317	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C318	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C319	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C320	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C321	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C322	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C323	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C324	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C325	VCKYCY1CB273K	J	0.027 16V Ceramic	AA
C326	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C327	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C328	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C329	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C330	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C403	VCKYTV1AB105K	J	1 10V Ceramic	AD
C404	VCKYTV1AB105K	J	1 10V Ceramic	AD
C406	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C408	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C409	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C411	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C701	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C702	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C703	VCEAPF1CN226M	J	22 16V Electrolytic	AD
C704	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C706	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C707	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C708	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C710	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C711	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
C712	VCEAPT1CN226M	J	22 16V Electrolytic	AC
C713	RC-EZ1176CEZZ	J	100 16V Electrolytic	AK
C716	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C719	RC-EZ0420CEZZ	J	100 25V Electrolytic	AE
C721	VCEASD1HN336M	J	33 50V Electrolytic	AD
C722	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C728	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C729	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C731	VCCCCY1HH181J	J	180p 50V Ceramic	AA
C733	RC-EZ0538CEZZ	J	330 16V Electrolytic	AE
C734	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C735	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C736	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C737	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C738	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C740	VCEAPF1EN475M	J	4.7 25V Electrolytic	AC
C741	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C746	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C747	VCKYTV1HB562K	J	5600p 50V Ceramic	AA
C748	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C749	RC-EZ1177CEZZ	J	150 6.3V Electrolytic	AH
C751	VCEA4U1CN228M	J	2200 16V Electrolytic	AE
C752	RC-FZ0174CEZZ	J	0.12 100V Ceramic	AG
C757	VCKYCY1CB823K	J	0.082 16V Ceramic	AH

DUNTKA077FE09
MAIN PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
C759	VCEAPF0JN107M	J	100 6.3V Electrolytic	AD
C762	RC-FZ0174CEZZ	J	0.12 100V Ceramic	AG
C764	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C765	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C801	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C802	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C803	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C804	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C805	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C806	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C807	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C808	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C809	VCEAPK1CN107M	J	100 16V Electrolytic	AD
C810	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C811	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C812	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C813	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C814	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C815	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C816	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C817	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C818	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C819	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C820	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C821	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C822	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C825	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C826	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C827	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C830	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C831	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C836	VCE9PF1CN475M	J	4.7 16V Electrolytic	AD
C839	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C840	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C841	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C842	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C844	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C848	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C874	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C875	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C876	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C878	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C879	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C902	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C905	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C906	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C909	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C910	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C911	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C912	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C913	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C914	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C915	VCEAPF0JW336M	J	33 6.3V Electrolytic	AB
C916	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C919	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C920	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C921	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C922	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C923	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C924	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C925	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C927	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C928	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C929	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C930	VCCCCY1HH5R0C	J	5p 50V Ceramic	AA
C931	VCCCCY1HH5R0C	J	5p 50V Ceramic	AA
C932	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C933	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C935	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C937	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C938	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C939	VCKYCY1HB561K	J	560p 50V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C940	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C941	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C942	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C943	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C944	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C945	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C946	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C954	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C955	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C956	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C957	VCEAPF1EW475M	J	4.7 25V Electrolytic	AB
C958	VCEAPF1EW475M	J	4.7 25V Electrolytic	AB
C961	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C962	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C963	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C964	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1101	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1102	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1103	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1104	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1105	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1106	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1107	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1108	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1109	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1110	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1111	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1112	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1113	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1114	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1115	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1116	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1117	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1118	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1119	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C1120	VCKYTV1EF104Z	J	0.1 25V Ceramic	AB
C1122	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C1123	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1124	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1203	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1204	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C1205	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C1206	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C1207	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1209	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1210	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C1211	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1212	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1213	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1214	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C1215	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C1217	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C1218	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C2001	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2002	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C2003	VCEAPF1HW105M	J	1 50V Electrolytic	AB
C2006	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2007	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2009	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2010	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2015	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C2016	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2017	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2018	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C2019	VCKYTV1AB105K	J	1 10V Ceramic	AD
C2020	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2021	VCEAPF1AW476M	J	47 10V Electrolytic	AB
C2022	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2023	VCKYTV1AB105K	J	1 10V Ceramic	AD
C2024	VCKYCY1HB222K	J	2200p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R201	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R202	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R203	VRS-CY1JF102F	J	1k 1/16W Metal Oxide	AA
R204	VRS-CY1JF473F	J	47k 1/16W Metal Oxide	AA
R205	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R206	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R207	VRS-CY1JF622F	J	6.2k 1/16W Metal Oxide	AA
R208	VRS-CY1JF473F	J	47k 1/16W Metal Oxide	AA
R209	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R210	VRS-CY1JF242F	J	2.4k 1/16W Metal Oxide	AA
R211	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R212	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R213	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R214	VRS-CY1JF122F	J	1.2k 1/16W Metal Oxide	AA
R215	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R216	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R217	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R218	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R219	VRS-TV1JD103J	J	10k 1/16W Metal Oxide	AA
R220	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R301	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R302	VRS-TX2HF8R2J	J	8.2 1/2W Metal Oxide	AA
R303	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R304	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R305	VRS-TX2HF8R2J	J	8.2 1/2W Metal Oxide	AA
R308	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R309	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R310	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R311	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R314	VRS-CY1JF512J	J	5.1k 1/16W Metal Oxide	AA
R315	VRS-CY1JF242J	J	2.4k 1/16W Metal Oxide	AA
R316	VRS-CY1JF512J	J	5.1k 1/16W Metal Oxide	AA
R317	VRS-CY1JF242J	J	2.4k 1/16W Metal Oxide	AA
R318	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R319	VRS-TX2HF8R2J	J	8.2 1/2W Metal Oxide	AA
R320	VRS-CY1JF150J	J	15 1/16W Metal Oxide	AA
R321	VRS-CY1JF242J	J	2.4k 1/16W Metal Oxide	AA
R322	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R323	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R324	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R327	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R328	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R329	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R330	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R401	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R402	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R403	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R404	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R405	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R406	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R407	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R408	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R409	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R410	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R411	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R412	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R413	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R414	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R418	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R419	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R420	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R424	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R430	VRS-CA1JF562J	J	5.6k 1/16W Metal Oxide	AA
R434	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R435	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R436	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R437	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R701	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R702	VRS-CY1JF154J	J	150k 1/16W Metal Oxide	AA
R703	VRS-CY1JF274J	J	270k 1/16W Metal Oxide	AA
R704	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
R705	VRS-TX2HF000J	J	0 1/2W Metal Oxide	AA
R706	VRS-CR3AD821J	J	820 1W Metal Oxide	AC
R707	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R708	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R709	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R711	VRS-CY1JF184J	J	180k 1/16W Metal Oxide	AA
R712	VRS-CY1JF683F	J	68k 1/16W Metal Oxide	AA
R713	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R715	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R716	VRS-TX2HF000J	J	0 1/2W Metal Oxide	AA
R717	VRS-CY1JF152F	J	1.5k 1/16W Metal Oxide	AA
R718	VRS-CY1JF274J	J	270k 1/16W Metal Oxide	AA
R719	VRS-CY1JF563F	J	56k 1/16W Metal Oxide	AA
R720	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R721	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R722	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R723	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R724	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
R725	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R726	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R729	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
R731	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
R732	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R733	VRS-TQ2BD683J	J	68k 1/8W Metal Oxide	AA
R734	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R735	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R736	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R737	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R738	VRS-TW2ED102J	J	1k 1/4W Metal Oxide	AA
R739	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R740	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R741	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R742	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R747	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R748	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R751	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R752	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R753	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R754	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R765	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R766	VRS-CA1JF821J	J	820 1/16W Metal Oxide	AA
R768	VRS-CA1JF104J	J	100k 1/16W Metal Oxide	AA
R770	VRS-CA1JF562J	J	5.6k 1/16W Metal Oxide	AA
R772	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R774	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R801	VRS-CB1JF221J	J	220 1/16W Metal Oxide	AC
R802	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R803	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R804	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R806	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R807	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R808	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R809	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R810	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R811	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R812	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R813	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R814	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R815	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R816	VRS-CA1JF470J	J	47 1/16W Metal Oxide	AB
R819	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R826	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R831	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R832	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R833	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R834	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R852	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R860	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R861	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R901	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R902	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R903	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R905	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R908	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R909	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R910	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R913	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R914	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R915	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R916	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R917	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R918	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R919	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R920	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R921	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R922	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R923	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R924	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R925	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R951	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R954	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R958	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R959	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R960	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R961	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R962	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R963	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R964	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R965	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R966	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R967	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R968	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R969	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1101	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1102	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1103	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1104	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1105	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1106	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1107	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1108	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1109	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1110	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1111	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1112	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1113	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1114	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1115	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1116	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1117	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1118	VRS-CY1JF104F	J	100k 1/16W Metal Oxide	AA
R1119	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1120	VRS-TW2ED1R5J	J	1.5 1/4W Metal Oxide	AB
R1121	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R1122	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1123	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R1124	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1125	VRS-TW2ED101J	J	100 1/4W Metal Oxide	AA
R1127	VRS-CY1JF3R9J	J	3.9 1/16W Metal Oxide	AA
R1129	VRS-CY1JF563F	J	56k 1/16W Metal Oxide	AA
R1130	VRS-TW2ED1R5J	J	1.5 1/4W Metal Oxide	AB
R1132	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1133	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R1134	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R1135	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1136	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1137	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1138	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1202	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1203	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1204	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1205	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1206	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1207	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1208	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R1209	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1210	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA
R1211	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1212	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1214	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1217	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1218	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1220	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1221	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R1222	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1223	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1225	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1228	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1229	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1230	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1232	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1233	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1234	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1235	VRS-CB1JF473J	J	47k 1/16W Metal Oxide	AC
R1236	VRS-CB1JF473J	J	47k 1/16W Metal Oxide	AC
R2001	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2002	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2003	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2004	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2007	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2008	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2009	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2010	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2011	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2014	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R2016	VRS-CA1JF223J	J	22k 1/16W Metal Oxide	AA
R2018	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2019	VRS-CB1JF331J	J	330 1/16W Metal Oxide	AC
R2025	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2028	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2031	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2032	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R2033	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R2035	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2041	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2042	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2045	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2047	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2048	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2049	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2050	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2051	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2052	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2053	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2054	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2055	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2056	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2057	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2058	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R2059	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2060	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2061	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2062	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2063	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2067	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2068	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2069	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2074	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2075	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2076	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB702	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB703	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB704	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB705	RBLN-0095CEZZ	J	Balun, BLN-0095CE	AD
FB706	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB708	RBLN-0095CEZZ	J	Balun, BLN-0095CE	AD
FB709	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB801	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB802	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB901	RBLN-0006TAZZ	J	Balun, BLN-0006TA	AB
FB1201	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB1202	RBLN-0006TAZZ	J	Balun, BLN-0006TA	AB

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MAIN PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
FB1203	RBLN-0076TAZZ	J	Balun, BLN-0076TA	AC
P301	QPLGN0278GEZZ	J	Plug, 2Pin	AA
P701	QPLGN1178GEZZ	J	Plug, 11Pin	AC
P751	QPLGN0155FJZZ	J	Plug, 3Pin	AE
P752	QPLGN0155FJZZ	J	Plug, 3Pin	AE
P2002	QPLGN1320REZZ	J	Plug, 13Pin	AC
P2003	QPLGN0520REZZ	J	Plug, 5Pin	AB
P2004	QPLGN0420REZZ	J	Plug, 4Pin	AA
SC401	QSOCN0464FJZZ	J	Socket, 50Pin	AH
SC1201	QSOCN0461FJZZ	J	Socket, 53Pin	AH
SC1203	QSOCN0199FJZZ	J	Socket, 20Pin	AE

DUNTKA146DE01
TERMINAL PWB UNIT

TUNER

Ref. No.	Part No.	★	Description	Code
TU3201	VTUVT2U5UF553	J	VHF Tuner	BA

INTEGRATED CIRCUIT

Ref. No.	Part No.	★	Description	Code
IC3401	VHiTC4053BF1E	J	TC4053BF	AF

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3201	VSDTC144EE/-1	J	DTC144EE	AA
Q3202	VSDTC144EE/-1	J	DTC144EE	AA
Q3203	VSDTC144EE/-1	J	DTC144EE	AA
Q3204	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3205	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3301	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3401	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3402	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3403	VSDTC144EE/-1	J	DTC144EE	AA
Q3404	VS2SK1467//-1	J	2SK1467	AE
Q3405	VS2SK1467//-1	J	2SK1467	AE
Q3420	VSDTC314TK/-1	J	DTC314TK	AC
Q3421	VSDTC314TK/-1	J	DTC314TK	AC
Q3422	VSUMG4/////-1	J	UMG4	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D3401	RH-EX1271CEZZ	J	Zener Diode	AB
D3402	RH-EX1271CEZZ	J	Zener Diode	AB
D3403	RH-EX1271CEZZ	J	Zener Diode	AB

COILS

Ref. No.	Part No.	★	Description	Code
L3201	VP-1M220J2R9N	J	Peaking, 22µH	AC
L3202	RCiLC0141CEZZ	J	Coil, CiLC0141CE	AF
L3401	VP-1M101J7R7N	J	Peaking, 100µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C3201	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3202	VCEA4U0JN338M	J	3300 6.3V Electrolytic	AE
C3203	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3204	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3205	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3207	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3208	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3209	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3301	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3302	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3303	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3306	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3311	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C3312	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C3402	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3403	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C3404	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3405	VCEAPF0JW336M	J	33 6.3V Electrolytic	AB
C3406	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C3407	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB
C3420	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3421	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3422	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3423	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C3424	RC-KZ1025CEZZ	J	1 10V Ceramic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
R3201	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3202	VRS-CA1JF561J	J	560 1/16W Metal Oxide	AA
R3203	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3204	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3205	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R3206	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R3207	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R3208	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R3209	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3301	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3302	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3303	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3304	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3305	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3306	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3308	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3310	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3313	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3314	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3315	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3319	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3321	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R3323	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3324	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3329	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3330	VRS-TX2HF331J	J	330 1/2W Metal Oxide	AB
R3331	VRS-TX2HF331J	J	330 1/2W Metal Oxide	AB
R3333	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3401	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3402	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3405	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3409	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3410	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3411	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R3412	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R3413	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3414	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3415	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3416	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R3420	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R3421	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R3422	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R3423	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3424	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3425	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3426	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3427	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3428	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3429	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3431	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3432	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3435	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3436	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3704	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ FH3701	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3702	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3703	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3704	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3751	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3752	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ F3701	QFS-B1621GEZZ	J	Fuse, 1.6A 125V	AD
⚠ F3702	QFS-B1621GEZZ	J	Fuse, 1.6A 125V	AD
⚠ F3751	QFS-B2521GEZZ	J	Fuse, 2.5A 125V	AD
J3401	QJAKE0200CE02	J	Jack, AV1(Red)	AE
J3402	QJAKE0200CE09	J	Jack, AV1(White)	AE

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TERMINAL PWB UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
J3403	QJAKE0200CE04	J	Jack, AV1(Yellow)	AE
J3404	QJAKE0200CE02	J	Jack, AV1(Red)	AE
J3405	QJAKE0200CE06	J	Jack, AV1(Blue)	AE
J3406	QJAKE0200CE05	J	Jack, AV1(Green)	AE
J3407	QJAKE0200CE02	J	Jack, AV2(Red)	AE
J3408	QJAKE0200CE09	J	Jack, AV2(White)	AE
J3409	QJAKE0200CE04	J	Jack, AV2(Yellow)	AE
J3410	QJAKJ0046CEZZ	J	Jack, Head Phone	AE
J3701	QJAKE0193CEZZ	J	Jack	AK
P3203	QPLGN0280GEZZ	J	Plug, 2Pin	AB
P3204	QPLGN0280GEZZ	J	Plug, 2Pin	AB
P3701	QPLGN1178GEZZ	J	Plug, 11Pin	AC
SC3301	QSOCD0456CEZZ	J	Socket	AE
SC3401	QSOCN0464FJZZ	J	Socket, 50Pin	AH

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SWITCH PWB UNIT

DIODES

Ref. No.	Part No.	★	Description	Code
D4009	RH-EX0879CEZZ	J	Zener Diode	AD
D4010	RH-EX0879CEZZ	J	Zener Diode	AD
D4018	RH-EX1283CEZZ	J	Zener Diode	AB
D4019	RH-EX1283CEZZ	J	Zener Diode	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C4001	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C4002	VCCCCY1HH471J	J	470p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R4005	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4006	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R4011	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4012	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P4004	QPLGN0564TAZZ	J	Plug, 5Pin	AC
SW4002	QSW-K0087GEZZ	J	Switch, CH▼	AC
SW4003	QSW-K0087GEZZ	J	Switch, CH▲	AC
SW4004	QSW-K0087GEZZ	J	Switch, Menu	AC
SW4006	QSW-K0087GEZZ	J	Switch, TV/Video	AC
SW4007	QSW-K0087GEZZ	J	Switch, Vol(+)	AC
SW4008	QSW-K0087GEZZ	J	Switch, Vol(–)	AC
S4701	QSW-S0213CEZZ	J	Switch	AE

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R/C PWB UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q4106	VSDTC144EE/-1	J	DTC144EE	AA
Q4107	VSUMG4/////-1	J	UMG4	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D4120	RH-EX1271CEZZ	J	Zener Diode	AB
D4121	RH-EX1271CEZZ	J	Zener Diode	AB
D4122	RH-PX0368CEZZ	J	PhotoDiode	AE

CAPACITOR

Ref. No.	Part No.	★	Description	Code
C4120	VCKYTV1CF105Z	J	1 16V Ceramic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
R4187	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R4188	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4189	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4190	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
	PSLDM4450CEFW	J	Shield	AE
RMC4101	RRMCU0225CEZZ	J	Remote Receiver	AK
SC4102	QPLGN0464TAZZ	J	Plug, 4Pin	AC

SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	LHLDW1028GEZZ	J	Cable Clamp	AB
	RRMCG1559CESA	J	Remote Control	AT
⚠	QACCD3088CEZZ	J	AC Cord	AP
	QCNW-5730CEZZ	J	Antenna Cable	AP
	SSAKA0160CEZZ	J	Operation Manual Polyethylene Bag	AB
	TiNS-6961CEZZ	J	Operation Manual	AQ
	UADP-0212CEZZ	J	AC Adapter	BH

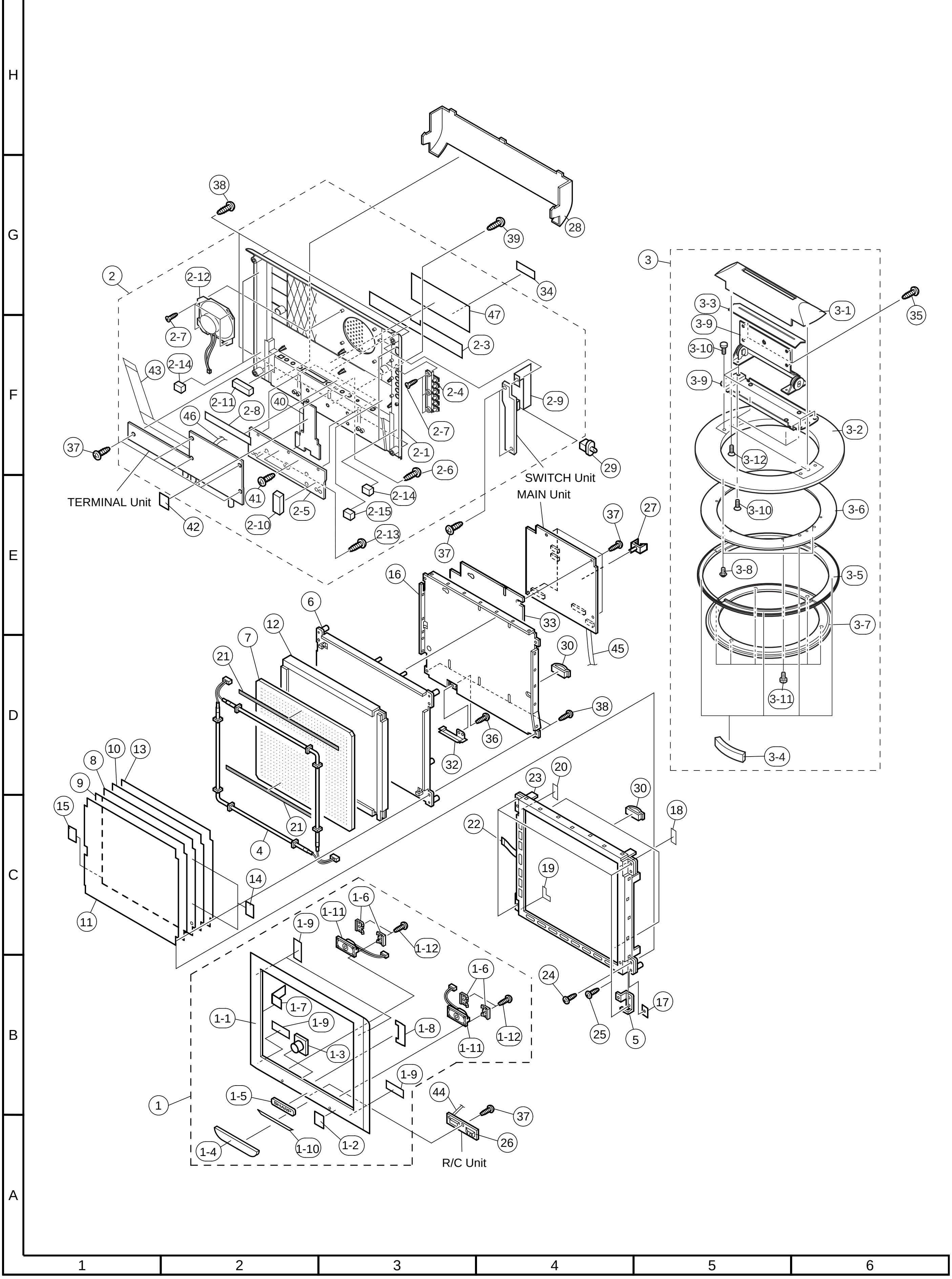
PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKC5443CEZZ	–	Packing Case	—
	SPAKF0405CEZZ	–	Packing Material	—
	SPAKF0473CEZZ	–	Pat	—
	SPAKP0798CEZZ	–	Wrapping Paper	—
	SPAKX2903CEZZ	–	Buffer Material	—
	TLABK0001TAZZ	–	No. Label	—
	TLABN0157CEZZ	–	Barcode Label	—

CABINET PARTS LIST

Ref. No.	Part No.	★	Description	Code
1	CCABA2402CE02	J	Cabinet A Ass'y	BF
1-1	————	–	Cabinet A	—
1-2	GCOVA1840CESA	J	IR Filter	AC
1-3	GCOVA1857CESA	J	LED Cover	AD
1-4	GCOVA1900CESA	J	R/C Receptor Cover	
1-5	HBDGB3154CESA	J	SHARP Badge	AF
1-6	LANGS0130CEFW	J	Speaker Fixing Metal	AD
1-7	PSLDC3104CEZZ	J	Copper Film Sheet	AC
1-8	PSLDC3105CEZZ	J	Receptor Copper Film Sheet	AC
1-9	PSPAH0654CE00	J	SP Spacer	AB
1-10	PSPAP0055CEZZ	J	Receptor Spacer	AB
1-11	VSP4030P-44YD	J	Speaker	AR
1-12	XEBSD20P05000	J	Screw	AA
2	CCABB2288CE01	J	Cabinet B Ass'y	BE
2-1	————	–	Cabinet B	—
2-3	HiNDP5585CESA	J	Terminal Indicator Plate	AH
2-4	JBTN-2047CEKA	J	Operating Button	AF
2-5	LANGF9601CEFW	J	Reinforcement Metal	AK
2-6	LX-BZ3426CEFN	J	Screw	AA
2-7	LX-HZ3064CEFF	J	Screw	AA
2-8	PSLDC3106CEZZ	J	Copper Film Sheet	AC
2-9	PSLDC3107CEZZ	J	Copper Film Sheet	AD
2-10	PSPAG0364CEZZ	J	Spacer	AC
2-11	QEARZ0022CEZZ	J	Earth Gasket	AE
2-12	RSP-Z0114CEN1	J	Speaker	AR
2-13	LX-BZ3425CEFN	J	Screw	AA
2-14	PSPAG0370CEZZ	J	Spacer	AB
2-15	PSPAG0371CEZZ	J	Spacer	
3	————	–	Stand Ass'y	—
3-1	GCOVA1853CESA	J	Hinge Cover	AH
3-2	GCOVA1854CESA	J	Rotation Cover	AQ
3-3	GCOVH9302CEZZ	J	Protection Cover	AE
3-4	GCOVH9303CE00	J	Leg Cover	AD
3-5	GDAi-1113CESA	J	Rotation Base	AL
3-6	LANGF9549CE00	J	Reinforcing Metal	AS
3-7	LANGF9550CE00	J	Reinforcing Metal	AP
3-8	LX-HZ3112CEFD	J	Screw	AA
3-9	MHNG-3026CE01	J	Torque Hinge	BC
3-10	XBPSD40P07000	J	Screw	AA
3-11	XBPSF40P04000	J	Screw	AA
3-12	XESSF30P08000	J	Screw	AA
⚠ 4	KLMP-0098CEZZ	J	Lamp Unit	BA
5	LANGQ9208CEFW	J	ITO Sheet Angle	AE
6	LHLDZ2145CEKZ	J	Light Guide Sheet Holder	AU
7	PGiDM0060CEZZ	J	Light Guide Sheet	AZ
8	PSHEP0207CEZZ	J	ITO Sheet	AX
9	PSHEP0220CEZZ	J	Wave Sheet	AY
10	PSHEP0208CEZZ	J	Diffusion Sheet	AP
11	PSHEP0209CEZZ	J	Polarising Sheet	BG
12	PSHEP0210CEZZ	J	Reflection Sheet A	AL
13	PSHEP0217CEZZ	J	Reflection Sheet B	AL
14	PSLDM4504CEZZ	J	Copper Film Shield	AC
15	PSLDM4505CEZZ	J	Copper Film Shield	AC
16	PSLDM4604CEFW	J	Panel Shield Plate	AN
17	PSPAZ0364CEZZ	J	Panel Spacer	AB
18	PSPAZ0365CEZZ	J	Panel Spacer	AB
19	PSPAZ0367CEZZ	J	Spacer	AD
20	PSPAZ0368CEZZ	J	Spacer	AD
21	PSPAZ0377CEZZ	J	Both Side Tape	AD
22	QCNW-4941CEZZ	J	Gate FFC	AE
23	RLCDT0058CEZZ	J	LCD Module Unit	DQ
24	XBBSD20P05000	J	Screw	AA
25	XEBSD30P08000	J	Screw	AA
26	PSLDM4450CEFW	J	Receptor Shield Plate	AE
27	LHLDW1077GEZZ	J	Wire Clamp	AA
28	GCOVA1858CEKA	J	Terminal Cover	AL
29	JKNBP1167CEKA	J	Power Knob	AE
30	LHLDW1173CEZZ	J	Wire Clamp	AD
32	PSLDM4482CEFW	J	Source FPC Shield Plate	AD
33	PZETZ0011CEZZ	J	Insulator	AH
34	TLABN0235CEZZ	J	No. Label	AE
35	LX-BZ3431CEFN	J	Screw	AB
36	XEBSD26P06000	J	Screw	AA
37	XEBSD30P08000	J	Screw	AA
38	XEBSF30P12000	J	Screw	AA
39	XEPSN30P16000	J	Screw	AA
40	LANGF0104CEFW	J	Reinforcing Metal	AF
41	XBBSD30P04000	J	Screw	AA
42	PZETN0057CEZZ	J	Reinforcing Metal Edge Cover	AE
43	QCNW-5555CEZZ	J	Terminal FFC	AL
44	QCNW-5556CEZZ	J	RC/LED Cable	AE
45	QCNW-5557CEZZ	J	Operate Cable	AF
46	QCNW-5558CEZZ	J	Power Cable	AH
47	HiNDP5586CESA	J	Model Indicator Plate	AH

CABINET AND MECHANICAL PARTS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SWITCH Unit
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MAIN Unit
TERMINAL Unit
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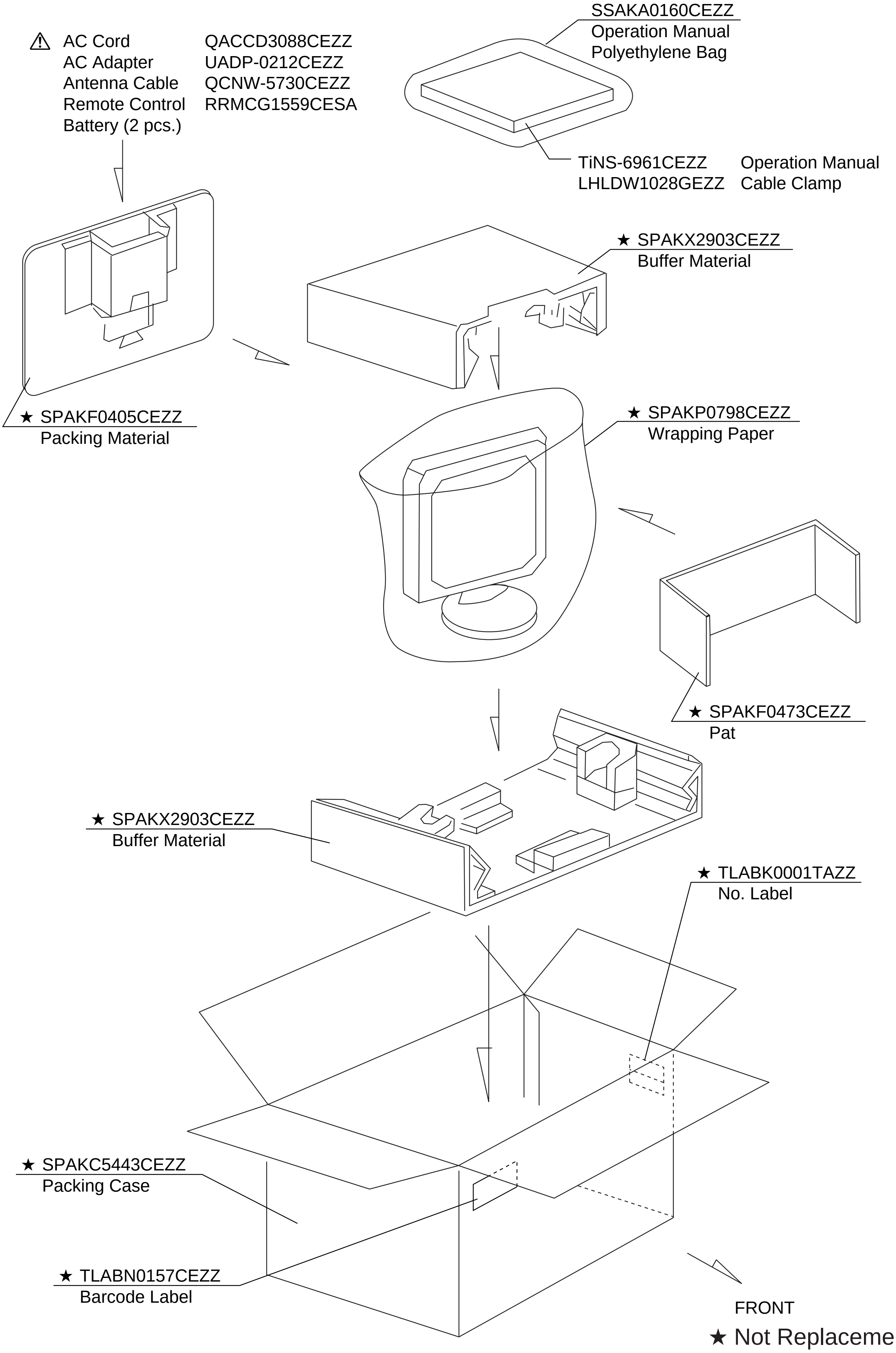
R/C Unit

PACKING OF THE SET

⚠ AC Cord	QACCD3088CEZZ
AC Adapter	UADP-0212CEZZ
Antenna Cable	QCNW-5730CEZZ
Remote Control	RRMCG1559CESA
Battery (2 pcs.)	


SSAKA0160CEZZ
Operation Manual
Polyethylene Bag
TiNS-6961CEZZ Operation Manual
LHLDW1028GEZZ Cable Clamp
★ SPAKX2903CEZZ
Buffer Material
★ SPAKF0405CEZZ
Packing Material
★ SPAKP0798CEZZ
Wrapping Paper
★ SPAKF0473CEZZ
Pat
★ SPAKX2903CEZZ
Buffer Material
★ TLABK0001TAZZ
No. Label
★ SPAKC5443CEZZ
Packing Case
★ TLABN0157CEZZ
Barcode Label
FRONT

★ Not Replacement Item

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- M E M O -

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